



Digi Accelerated Linux (DAL) Release Notes

Digi Connect EZ Serial Servers

Versions 25.5.52.25

INTRODUCTION

This is a firmware release for Connect EZ products.

The Digi Connect EZ products are a family of next-generation, multi-port serial servers that connect serial peripheral devices over an IP network. They provide a modern, secure platform with expanded network connectivity and functionality relevant to today's applications.

- Serial servers provide secure, easy EIA 232/422/485 serial-to-Ethernet integration of virtually any device into wired Ethernet networks. They are ideal for use in a wide variety of demanding industrial applications such as automation, robotics control, centralized device monitoring and management, data acquisition, and point -of-sale applications requiring COM/TTY ports, serial tunneling or TCP/UDP functionality.
- Enhanced access control, management and configuration capabilities support key security requirements for critical infrastructure and distributed systems. The built-in Python environment enables application development and customization at the device level, including full device connection control, data manipulation and event-based actions.
- Management and configuration of the device is possible through Digi Remote Manager, web services, CLI connectivity with mass configuration and customization tools available to pre-configure devices prior to deployment

SUPPORTED PRODUCTS

- Digi Connect EZ Mini
- Digi Connect EZ 2
- Digi Connect EZ 4
- Digi Connect EZ 4i
- Digi Connect EZ 4 WS
- Digi Connect EZ 8
- Digi Connect EZ 8 Wi-Fi
- Digi Connect EZ 8 MEI
- Digi Connect EZ 8 I/O
- Digi Connect EZ 8 I/O SW
- Digi Connect EZ 16
- Digi Connect EZ 16 MEI
- Digi Connect EZ 32
- Digi Connect EZ 32 MEI

KNOWN ISSUES

- When a serial port is used for remote access via TCP sockets, there is a setting which governs how simultaneous serial port access should be handled. In older firmware, this was the “exclusive” setting. As of firmware version 24.12.153.123, this setting is named “port_sharing”. The default for “port_sharing” is **disabled**.

If the port specific “exclusive” setting were previously used, Digi recommends that the “port_sharing” setting for each serial port be reviewed after upgrade to confirm that the desired behavior is selected.

If a serial port is used with the RealPort service, different RealPort specific settings govern the handling of simultaneous usage at a service and port level.

- Health metrics are uploaded to Digi Remote Manager unless the **Monitoring > Device Health > Enable** option is de-selected and either the **Central Management > Enable option** is de-selected or the **Central Management > Service** option is set to something other than Digi Remote Manager [DAL-3291]
- 1002-CM06 CORE modems are not usable with Connect EZ 8 devices. The 1002-CM06 CORE modem is end-of-life and no longer sold by Digi. It is suggested to utilize the 1002-CMG4-GLB CORE modem with the Connect EZ 8 products. [DAL-8068]
- All Digi Connect EZ built as EZ01-M000 rev Z or earlier will need to have the bootloader updated in order to update to firmware 24.12.153.123 (or beyond). Rev Z units were built with firmware 24.9.79.162. To update the bootloader, load the firmware image 24.12.153.1 (82004807_A.bin) following the standard OS firmware update mechanism. This update will only change the “bootloader version” of the device (to 24.12.153.0). The running OS and all settings on the device will remain the same.

UPDATE BEST PRACTICES

Digi recommends the following best practices:

1. Test the new release in a controlled environment with your application before you update production devices.
2. Unless otherwise noted, apply updates in the following order:
 - a. Device firmware
 - b. Modem firmware
 - c. Configuration
 - d. Application

Digi recommends Digi Remote Manager or Digi aView for automated device updates. For more information, follow the instructions for Digi Remote manager or Digi aView in the links below:

1. **Instructions for Digi Remote Manager:**

https://www.digi.com/resources/documentation/digidocs/90001436-13/default.htm#tasks/t_update_device_firmware.htm

2. **Instructions for Digi aView:**

<https://www.digi.com/resources/documentation/digidocs/acl-kb/default.htm#Subsystems/kb-6300-cx/update-firmware.htm>

If you prefer manually updating one device at a time, follow these steps:

1. Download the firmware file from the [Digi firmware support page](#).
2. Connect to the device’s web UI by connecting your PC to the LAN Ethernet port of the device and then going to <http://192.168.210.1>.
3. Select the **System** tab on the top navigation bar of the page, then select **Firmware Update**.
4. Select the **Browse** button in the **Upload file** section.

5. Browse for and select the downloaded firmware file.
6. Click the **Update Firmware** button.

TECHNICAL SUPPORT

Get the help you need via our Technical Support team and online resources. Digi offers multiple support levels and professional services to meet your needs. All Digi customers have access to product documentation, firmware, drivers, knowledge base and peer-to-peer support forums. Visit us at <https://www.digi.com/support> to find out more.

CHANGE LOG

Mandatory release = A firmware release with a critical or high security fix rated by [CVSS score](#). For devices complying with ERC/CIP and PCIDSS, their guidance states that updates are to be deployed onto device within 30 days of release

Recommended release = A firmware release with medium or lower security fixes, or no security fixes

Note that while Digi categorizes firmware releases as mandatory or recommended, the decision if and when to apply the firmware update must be made by the customer after appropriate review and validation.

VERSION 25.5.52.25 (August 2025)

This is a **recommended** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link: <https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-25.5.52.25.pdf>

NOTE: All Digi Connect EZ built as EZ01-M000 rev Z or earlier will need to have the bootloader updated in order to update to firmware 24.12.153.123 (or beyond). Rev Z units were built with firmware 24.9.79.162.

To update the bootloader, load the firmware image 24.12.153.1 (82004807_A.bin) following the standard OS firmware update mechanism. This update will only change the “bootloader version” of the device (to 24.12.153.0). The running OS and all settings on the device will remain the same.

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-25.5.52.25.bin	40E52410EAD3F1E6E520F9B19F8D46272F7AA2EAA6C8AEA37A38D34016A50903722956B2BCC72A130F6DF1561DD4D80ABDFBAC02EF8DE3F4ED14914877CC5578	9FAB88B23AAE47244355FBD1EB1008E4
EZ02-Cxxx	ConnectEZ2-25.5.52.25.bin	581AC81B8433467F682BDE1117EF203969D00B2CB9C984076355AE40708F755E60DF8EF9EE713369EC5023D6252664FE51333400387875FAC0188F2E536EA468	8EED88435C10019FD920DDA72E4F2E31
EZ04-xxxx	ConnectEZ4-25.5.52.25.bin	AACF47677861F5A7C8D086F66441EAD7266542EFFE8F1CEC1EB1F73DFDF73B65DF7EDF42B01E557DFCDBC989A090035ED9D2D4F158A4A16D86DD83852916A4E	36AC1136E92BDE8B7BFCBD30F984A999

EZ04-WSxx	ConnectEZ4WS-25.5.52.25.bin	510AED8DE51FFDF127EBB5B0896BE6854A A9B6DE4DAF9091187F44CF9FFEBE2373A19 91A65CB2AA4B5D1A6536BB4E9B622B1D1B EA4F234C945C09A49576B6EC1	8E27FE760E7D93DA381B7525D AF4AFF1
EZ08-Axxx	ConnectEZ8-25.5.52.25.bin	2A6B009A9882779A6B03532ACE437A5331D C40AF710E2ACA88FB673D065A7CEB505A47 1576CB622DB96B2B277251B75F27F328CDA 4D2F62175CC4DA4CA9DFB7B	C6611D68D6F77D0FE8F1E240C 88EF5EC
EZ08-Bxxx	ConnectEZ8W-25.5.52.25.bin	72A67187A13E18CA6C7E0EDFC93847906E9 E7A2DAA96BD5D3F575C319718F6CB17A505 C8E6D806A86BEF2000B3B1613FB1EFA76D D6AB853241E40D0835BFC846	42E2BAFAEB3860D4797536A94 D59AD1F
EZ08-Cxxx	ConnectEZ8M-25.5.52.25.bin	A0B29EDB163672268727038ADBDB8E24BD A37AA1147AA8355C355A747710DA6C0A46A 5FF94A35C6546BEE526ACD6ACED999C85E1 00772CF73A5E8E631531C482	0295683C618666EF3C8765E682 C38AA0
EZ08-Dxxx	ConnectEZ8IO-25.5.52.25.bin	F75F62D34219157F2ACEF69C5BCA59BC40F 7A4F0AB3F0EFEF5742888D606B18378E19A A83D1EE5ECE0815D69E364FE070D4B2A12 6104A57B2B0A497F101BF07	E68CBAA5D6875723D4D934F18 03E25C6
EZ08-Exxx	ConnectEZ8IOS-25.5.52.25.bin	6694CD2C0D889A8D67148EE143AE943D3B1 BD28096DC979B4873A586972ECE6F812683 CC04EFCC52C8898BA9F25D98E0C63113589 20B79B3677115AE8FB829A7	A2064DB1D79018576923A0B262 B7EE72
EZ16-Axxx	ConnectEZ16-25.5.52.25.bin	E8F5C85404376DA8D4B8C5CEEE1A9DC663 9A56A385189C1A8EDFBA1BDBCF1CA130DC CCFF0C03606561E8B5E89DD5DAB5E3B092 9354DDB22598A0CED1D70CD74F	12860DDADB37D2B75FCDEDED6 F6E5B0D6
EZ16-Cxxx	ConnectEZ16M-25.5.52.25.bin	33204E4966D4E331F97058A5996FB74AC746 1F9F022179B1B2AFD65DB7E874EF1A6BC19 FAEC9D266C4FEA51CC879E848977C146E82 36A03A8AAFA76A5B7173FE	4BC36E55803E2F3E8CF06D7FA4 776240
EZ32-Axxx	ConnectEZ32-25.5.52.25.bin	CE78FBB87F615211DC580644FF237A5ABA7 1C03ED4231F0BFA80E84663764E778C6090 8021BC48DB7B13B6F3F46B643DAF4ABE43 19EB6F9D7BB63D0E2A3E69A3	0FB6C6099B60C8125A9B42FEFE 5E8C9F
EZ32-Cxxx	ConnectEZ32M-25.5.52.25.bin	1D705098205E9D998597BA65CDBA7B74D0 7B7200F342E8B58F15AFE5F7C6355DD46FB 4BCECAB89217B75FFCB9D029E54DEF15D7 B239F9CE45987623FBEDAC9E8	BDBD927F63601D3DDADC69CC E0111641

ENHANCEMENTS

- Enhanced the **Autoconnect** feature via SSH to include configuration options to make it more consistent with earlier products, including the ability to prompt for a username prior to connecting. [CEZ-768]

SECURITY FIXES

No product specific security fixes were made for this release.

BUG FIXES

- Baud rate 5787 now fixed in RealPort. [DAL-11661]

VERSION 25.2.55.29 (May 2025)

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link:

<https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-25.2.55.29.pdf>

NOTE: All Digi Connect EZ built as EZ01-M000 rev Z or earlier will need to have the bootloader updated in order to update to firmware 24.12.153.123 (or beyond). Rev Z units were built with firmware 24.9.79.162.

To update the bootloader, load the firmware image 24.12.153.1 (82004807_A.bin) following the standard OS firmware update mechanism. This update will only change the “bootloader version” of the device (to 24.12.153.0). The running OS and all settings on the device will remain the same.

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-25.2.55.29.bin	0ACFFAAEE9C16ADAFEC0E583BE7108C1BC9139E9020930F26DF3830BBDD9DEAAF6696D136B1A14032950FEC221026CE8D9630D5A53FA966601E759AAAD28969BFA	4DF3E1CA2F812E44622E140C5E066209
EZ02-Cxxx	ConnectEZ2-25.2.55.29.bin	F115F01AD24C01104A7954E83B47A084C3660929259666B9FF1FA4A880489DF515EB951C60EC1BDD0515F474EA05B8AFDA3D8AFA437B52D4A148265C5074797C	6819FD98E6E3223F6B296EA3BB76D5A2
EZ04-xxxx	ConnectEZ4-25.2.55.29.bin	D7D1C851B7C78A0F7D7A9998C1832F7F69FAD6DBE4F7746FE4392EC6D0A46D2E9EAAAB1CC16E7EC32433D1879685346A5E39E76EA98B80A49E84D5B9F36CA49A4	5150734B8B5B177998A519DAEE185B5F
EZ08-Axxx	ConnectEZ8-25.2.55.29.bin	987DA9B31A1B93376BAD5FBA0E3142B2814BBD4BC6A8D65D3262BF7398048C0C9763B16D89CA6199CCB154D677CB621A7C6312970306EC6B9AF1D4903976BC82	593E1AE1FF6A8C110102B25EFB11BDFC
EZ08-Bxxx	ConnectEZ8W-25.2.55.29.bin	FBA7C48C5689BC62D89AD1EF8A0BC45771BEF852B3844E1D17466054A1AFD0B0332DBCFAD792F5B2331A8817EED4CF1A05346B856D5F2F9DE509B128D837012B	E50A4FB3A2B339102FCBF1172A7D369B
EZ08-Cxxx	ConnectEZ8M-25.2.55.29.bin	C04843091E0D40F5E7D9CBB8BF2616A4D54BC06888C934261D4EB6C3ABE418FB91D520ED90C7D9B8BD3B66387C3C4AF1882DD3AF92FBEE0AC029CF329C2B6BF	2B6F7758F0C47585075B864CCBE36BF8
EZ08-Dxxx	ConnectEZ8IO-25.2.55.29.bin	1573645ED760E868F4554243A0150B851D87BF48D9D0D0AD17E37160C7E501BC8728B70DFB657CCCF2E594A52EECEC04DA46FAB9F784F26F7B4CCDD43EA3462	D492F53658CA765845D721A20449FE2F
EZ08-Exxx	ConnectEZ8IOS-25.2.55.29.bin	04114BDCC126E607CA4727E5A15F658ED4713DDC6093E1A1DF654BCC504169F78292CDAAE761488597A5CD3B0B4EFAC233FB06A1EC43324A2F29C54D8DFB398A	BDC21E0989C4565536AEC259256A195C
EZ16-Axxx	ConnectEZ16-25.2.55.29.bin	7D923F53E4E5919F7B36925EBD0F97646356F61F52879BD76E8E151D7D39280D8C9A1D3F99EEA50149B8AA6F8E72EAC87697A0BDC E46C9E805209F37C26E042F	CCA2F661FFF7A2851FCF4A095FD7D3E0
EZ16-Cxxx	ConnectEZ16M-25.2.55.29.bin	C1E9C0B421ACE852DBC7E767EB2D01906E19124726D396440743BBDD963AFEB8D867C688D8E591CC9E7F5B9221B375DA33701E548FEFB4C715D2D5527816E2D06	F844813AD8760192E737AE70F49A8DF9
EZ32-Axxx	ConnectEZ32-25.2.55.29.bin	6B1ED41D7F6D67E2B05A73C77A513D375757CC8218AB6DD415284A3444BCEF4AF7E6E9989FEC3187AF11AC9B5203B412FB35A58A312BAD85E8FBC550D2F591E4	BF29B9633EFAD9B0C73422D3B862E2CE

EZ32-Cxxx	ConnectEZ32M-25.2.55.29.bin	E0A5E5DD2614B3C5DBBB0BD56D1CA64AE A30181C54DD52FADDC33861E988E6E96DB C585961BD1CCBD49185BE78CF557AF32EA 1C12B9B5051AFA3D482656725E	1FD87268B6F85AC448CE39CA4 6D2C5A5
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ENHANCEMENTS

1. Make baud rate support consistent across serial port modes, including for remote access and RealPort, including such rates as 14400 and 28800. [CEZ-757]
2. Add support to log to an NFS target directory for Connect EZ 2 & 4. [CEZ-755]
3. Expose serial counters in the serial status web page and in the status output of the CLI. [DAL-10745]
4. Add buttons to AnywhereUSB feature configuration web page to quickly set common port/group mappings (all ports in first group, and one group per port). [AWG3-3328]
5. Adjust Client ID handling in the AnywhereUSB feature configuration web page to require a client ID to be entered (eliminating the default of “New Client”). [AWG3-3344]
6. Clarify which algorithms are used in conjunction with SNMP support. [DAL-11152]

SECURITY FIXES

No product specific security fixes were made for this release.

BUG FIXES

1. Fix operation of Wi-Fi on Connect EZ 8 Wi-Fi and Connect EZ 4. [DAL-11332, DAL-11381]
2. Improved AnywhereUSB power cycle functionality on disconnect. [AWG3-3288]
3. Fixed overlapping device table columns on AnywhereUSB status page. [AWG3-3346]

VERSION 24.12.153.123 (February 2025)

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link:

<https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-24.12.153.123.pdf>

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Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-24.12.153.123.bin	EF1DD518A4700434E627DF580827F53C17 AEDA95C04C177013C56154085A0145394A9 2DC02C9BD420D6B85B49A5D63E144316EC DC8F81083D477500A7CAA668	CBE42F89E4C57F7D2C1EE589B D215CD0
EZ02-Cxxx	ConnectEZ2-24.12.153.123.bin	D457EA84C440F47CFE2CF7651E5497D268E A443CC053F22EA8C64860F382F528EACAC5 B4208253AB52A18291913A02B7B4F83EE63 2D9722E9AA1B2ABE6BAD9C2	48252F6821CC5261A66D66C464 AB20A7

EZ04-xxxx	ConnectEZ4-24.12.153.123.bin	E49B9268878B519668A9C47B2CC03E97768042B866F38D4511F88EDF2317FE27457BD3DD020707C60816FB07E99761C1C1354040BA11301C04F17B02617972A1	CF1B2931E1C973FD9D7435CA96451554
EZ08-Axxx	ConnectEZ8-24.12.153.123.bin	9F1C33D4766A0863E7300F188016B85F2F9646ABE86096DF13803D39C32DE44F66980277AC36C9EAE68BAA41D076E6CE3A95D3605876A2113316BE46FA3EAC0	B68EFA8AC9C4903ECC5D1874AE1952C
EZ08-Bxxx	ConnectEZ8W-24.12.153.123.bin	ADCC2A072E3E7C7DDB5A5976C995A5857C55305F735CF55175C1E34EAA85776F7023EB5A815E26191D2C6CE453BA87A26FD4F85027D49B9125BFBD65D6C34C3C	AFA757355D280EBC95670B5BE4A49ECO
EZ08-Cxxx	ConnectEZ8M-24.12.153.123.bin	5741754B9A4B766C10978815F808728B0A9F46C51B63E09C4F530CF65EA161F9E72BE69D4145A85043EDB916C02C10FBC537FC647D65727F1CA6AA0F7AFB280C	F22020DB76D0DE0C60D07078D03F5898
EZ08-Dxxx	ConnectEZ8IO-24.12.153.123.bin	DA606114484A1AC47BE4FF8D760273C1B7905BB60DE8A1DB655042B923114D7E93A75D45A778CE9AA5CC07806508A499B7752CB0B8F60C848C93B12C0AB6D0CE	13DE49096D313F6A5DFF9CACDF5100D2
EZ08-Exxx	ConnectEZ8IOS-24.12.153.123.bin	90ED626C5066E0EB1676625CC2A651389A3162862524DD2539A941CF6E540F3D30623EDCC2598F621D0BA2375CE7E80B88048D182274AB509ACDE5B4B3CC3085	F2F1641791545CFA8653B1943923E502
EZ16-Axxx	ConnectEZ16-24.12.153.123.bin	DAC66BC3635551EA1F6960506F2110C2A552183E1A43D1D5FCC1CAD466216211029E0922E45082A7C1C42EF8E51CA637A3782C253F99854AAB601BD134EB33F6	EDD24B70E7CFEFFF16C38BFF0F28CB285
EZ16-Cxxx	ConnectEZ16M-24.12.153.123.bin	C5D6740E58D194915C700282A3AA9D9DA90CF0AD4EE33B8D2CCD4070AA8A879163B7D2EE7A5B116ECCB1D1D05CFDA67F8485EADF592408CFA28830D264148FC	20AA57A4500E7852D459794BEFCF6B68
EZ32-Axxx	ConnectEZ32-24.12.153.123.bin	56451A95FFCD48552F8F645104FA333E2F63D70D5A8671E9CE3923B3E8BF37F2ED1C54389B363500FB0BFAE19D82C00811EF6AA9E955B0AE4447616EF5F442CF	8B356DAB3ED1E90BEA54792313CD1A6A
EZ32-Cxxx	ConnectEZ32M-24.12.153.123.bin	B9EDCA20405BCCE363BA342C68B1FCEBCB161C6E33E0975279D1AB8AF0901058D5B6CBB6688E1B46B969EE9568E4CF621575991CC19EC13A5A0A0156947DD9DF	F787005A6FAED744C1E3EE444A4DF7D3

ENHANCEMENTS

1. SNMP v1/v2c support added for RS232 and character MIBs. [DAL-10530]
2. Configuration support for modem emulator and phonebook added to custom serial web page. [CEZ-691]
3. Support for IP address and fine-grained RealPort configuration via Digi Navigator added. [NAV-29, NAV-31]
4. LLDP support added; disabled by default. [DAL-6885]
5. Connection status added to client information in web UI and CLI. [AWG3-3299]
6. AnywhereUSB events added to logs. [AWG3-2941]

SECURITY FIXES

1. Addressed a denial of service and cross-site scripting vulnerability in the custom serial web page. [DAL-10733]

BUG FIXES

1. SFP+ support in 8, 16, and 32 port models improved by increasing hardware pin drive strength. [CEZ-708]
2. Fixed an error with “delete” function in UDP serial destinations and the modem emulator phonebook. [DAL-10834]
3. Correct cellular modem power handling for EZ8M, EZ8IO, and EZ8IOS models. [DAL-10631]
4. Clean up reporting of remote IP address for RealPort connections. [DAL-10969]

VERSION 24.9.79.162 (January 2025) – Connect EZ Mini only

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux 24.9.x.x operating system, use the following link: <https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-24.9.79.151.pdf>

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-24.9.79.162.bin	134DC68B3CE4060EC26F11F3FF32D110187A4594957DF282EF6266AFB9593D9499F6939F45E3C3A0609A3B24D67D62EAA3A528943277239D49567DF1BFB3F0A8	10846FEFC6D9B641C3B9AA0633881203

BUG FIXES

1. The 24.9.79.151 release for the EZ01-Mxxx product (Digi Connect EZ Mini) introduced a regression which caused serial I/O failures under many circumstances. This issue has been addressed in this patch release specific to the EZ Mini. [DAL-10032,DAL-10512,DAL-10737]

VERSION 24.9.79.151 (November 2024)

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link: <https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-24.9.79.151.pdf>

Part Number	Firmware	sha512sum	md5sum
EZ02-Cxxx	ConnectEZ2-24.9.79.151.bin	52F3A3554E6898362AB0BB123EA524369A6F8D7CA0D8A614FD9803443EC66A12C3F4D5F61DAC0074BF648AC3089E295269D78646B199DCCD70427E085A4AC2A9	70727DE9C1EB652B886D76B669D28F00
EZ04-xxxx	ConnectEZ4-24.9.79.151.bin	616FE3BEEBF8E23CF9CBB068FA8CCA71DE6057CF9558352CF4A28616DB0AAC7D43EBDE2F5E310D03A54289113929062A7D232F6F2D2243CC6643FA599E6B834C	4C003BDBBBC9030555DA8579D4E680BC
EZ08-Axxx	ConnectEZ8-24.9.79.151.bin	DC64DD28382682ED8B2D4B4890E5EFAC1322988374A6A6E5A8ADA4A183422305362241FA055152DFDDB951201C1BE9D1E179FE71035F0D65E2583CB14177F5BC	A360AB4B73741F28E3E37301FB7F93BB
EZ08-Bxxx	ConnectEZ8W-24.9.79.151.bin	CF76AD6D5456A0D0B9C0B4ECE8FC735E3ECBE5644D3977A081F32C4324542DB981BE77176522FA73E2D9F1EBCB56716A2DCF9A499D027C3BEDB1CD80EA439D7D	6037F4991DC8F716A727D0B554A8BFA4

EZ08-Cxxx	ConnectEZ8M-24.9.79.151.bin	5709B966A7FEC6426B677641E0FE5F77D841FF4DAB73B9A3041D24C4A10BE969A23044D8205F2C2580BC33E768BF19000E8DC1137FC8A7DE089AA8B12363FFB4	851B059EC253919C448CE8A0018895A1
EZ08-Dxxx	ConnectEZ8IO-24.9.79.151.bin	4FCE571D1187663694632C6573E7A4999937FC458D82CE7DBBA117B0AA6AEA6B739A01B6458B2FE5CB5992291FA324D0572023DD8CE81A3C35B5FA9E1E48EC2F	A5C8176BCD367202C7AD9A92FCB12CD3
EZ08-Exxx	ConnectEZ8IOS-24.9.79.151.bin	AB122859833A425BE00E1C8F683F6FADF0B7C4452EE825A5D5C0180765671A431A43579A471EFF0D3606FB232204F5D21AC48616E09C86F5FDBBBA2A2B7FBC87	CC8D452B4B90713A88DF211D33CA6226
EZ16-Axxx	ConnectEZ16-24.9.79.151.bin	CD9B2CCAB2ECC86ED0EB62B54DE8A5236AADB69605A06A307BA1664D6AC98525FD6DF5029A13935135D347D8A0082F37AAB4465214C8552A84236071C058DECE	147E81E86CC87ADD84DCE8CF3AF04AA3
EZ16-Cxxx	ConnectEZ16M-24.9.79.151.bin	F80786B3626832DAE5471B45EB57B58E71591774D35BF95DF069AF631FB8098BA836E33D50A443903668B5470DCD614441C8B4DF6263C442B01B1C468DB584B9	6DD9958B63CDFB8CDD244C2476701511
EZ32-Axxx	ConnectEZ32-24.9.79.151.bin	A28597BCCA416E6E237C5E51EEE7FDB6EB89743024FAE4A4BFD68B7531FDF45B1749F3B3C1D48C22DC0BF1E2A131342098C429B7A65CF0E079105F1BF9A04325	F75E7AF65E40597EE64E79FE80197DBA
EZ32-Cxxx	ConnectEZ32M-24.9.79.151.bin	2AED8BCC157D19341F37B4A5923AE8D85F5BF2B1BC2A6E253195AAB8DC2AA7E56F3DC01CEEF7E7050B26E630F4F78FEB68AE9D2DD95D07B1469408B0FBE2D2E5	F163BB94CD4AA19363B3529C081B5E76

ENHANCEMENTS

1. Add option to enable verbose RealPort logging to configuration. To be used in conjunction with Digi support personnel for issue analysis.
2. Improve power, fan, and temperature monitoring of Connect EZ 8/16/32 products.
3. Support for connectivity to SMTP servers without authentication support has been added to improve compatibility with legacy systems. [DAL-9664]
4. Web and admin CLI enhancements allow for efficient assignment of unique TCP/IP port numbers to multiple serial port services in a single operation. [DAL-7687, DAL-10295]
5. New option for verbose logging of USB traffic. Storage of captured data is now more efficient as well. [AWG3-3253]

SECURITY FIXES

1. Fix encrypted TCP sockets for serial remote access when FIPS functionality is enabled. [DAL-10032]

BUG FIXES

1. Fixed configuration of parity settings in the serial configuration web page. [CEZ-666]
2. Allow pre/post delay configuration for non-MEI serial ports. [CEZ-645]
3. Modified information can no longer save to wrong client ID in web interface. [AWG3-3258]
4. Ensured that Ethernet ports associated with the four port switch of the Connect EZ 8IOS are exposed properly as LAN ports. [DAL-10433]
5. Reset button fixed on Connect EZ 2 & 4 products. [DAL-10332]

VERSION 24.6.17.64 (August 2024)

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link:

<https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-24.6.17.64.pdf>

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-24.6.17.64.bin	CEDC985AE84E52724C46C84EF2E1B0F1FE9857EB87EE026292148B5ED8824BC5BBB881D46198D7EE363B2E2C0F9208AD6BDC20753DF3001E4B280378EEADFE75	0B915AAEE7F47E7FCEA7968B42931DFC
EZ02-Cxxx	ConnectEZ2-24.6.17.64.bin	065169929AA7CC14BE2CDE87F17DDB89AF74441E1BB7C53A7D5E5A46FE8C0B48221B71634C4B3D3F5F6D26668904FE6ACCA2BBF4A8032DD1B35691A8C86CE685	B5C21B1CAEA7620B33EE6A2A10B4835B
EZ04-xxxx	ConnectEZ4-24.6.17.64.bin	DEC0E11F963DE0CE9B7D79081B6F3A72251650E28CF8A9A972B96D9430316CB28B9922FD95E196E4EA8A5505F615B6EEA3964D77E6565675992EBB784123A2CD	B307C3F1B36D44161EBD52FFAE745A07
EZ08-Axxx	ConnectEZ8-24.6.17.64.bin	6EFC93888B879EC55C44B90B15745647B1A10467803AD2A894CBBAC396F021C00C7329B86121903174D4A48F412892F5F84294482AE50D418D0EE294B85D1BD	3D2972DD072B16736E680EBAD9BE3540
EZ08-Bxxx	ConnectEZ8W-24.6.17.64.bin	88A4355B4BE7599C4D6D1FBC7D83B8696894156F0EA312338F20DA514B1E0E57F214DD2E0E2C408F370E6F4025DB07E502B31A5B93582EA03ED8BFED0765E83A	E0C5DEF6AB243021A5A66160E273F5BF
EZ08-Cxxx	ConnectEZ8M-24.6.17.64.bin	379A5B6D22FA9C87CEFE4C13B5B78141FFE A966833472322D3D577E544E91391A8B75319C5D49A58C7E9B25917C92E8907790BF015568FE3B25339B9CBA00B4F	19283B52F1803C1336246A1F19371FE7
EZ08-Dxxx	ConnectEZ8IO-24.6.17.64.bin	8597701CBCA8E7EC4FF6D006B9D2D5DACD3F4083CE601867E0C84CCBFBE7B7EA016D1129E05B0F71157DB153FA14A7DC8C531FAD645EF32793A3CA2FC44F53C5	C20F8259AB0287F3E19D45694826CAFF
EZ08-Exxx	ConnectEZ8IOS-24.6.17.64.bin	312F5A8BA86F6BEAA0529265DD80032C4BF45F32679499DA16893AB132C510E46243914D306180A0278A910FB26AD1B1C017034043BA9EF3AC468345ED3831BA	091316D420D089CCF005201ED9C2B664
EZ16-Axxx	ConnectEZ16-24.6.17.64.bin	AF0DF4F502B00C08FEE80DEF417C4C83AEC CC730690D36997939D59EB24DA959495FD37714F1C3AC82AF5D8DBD3A8F9C6CDCFA2F2F5094148A9546D4466F8439	C27B1FB6E45D1856747269B6D631F85E
EZ16-Cxxx	ConnectEZ16M-24.6.17.64.bin	E0E0F31DAFC531523D6108FA9591F748335F4232B12C807004192D0448637997E4BD262F0B6A7A684B69C104FD6735973A55C18BABFD508493D55D926C395904	D04E256BF038648966A1551AD44F063D
EZ32-Axxx	ConnectEZ32-24.6.17.64.bin	674ECF446F28CE392DF9193CAF9EE84EA5E68665A146A4024F78432D5E48A6D797383BE953CF121F44617F30AAE3B35028D91D84E984A464AA83D754FE66A0AD	B19C23B28FCBD1A948704205E D3D9C6D
EZ32-Cxxx	ConnectEZ32M-24.6.17.64.bin	DEADED25A3D92BA823B45C4F489289AC9C57283E73635EC8984D765FBEEB3C3C20DF619A2A8529416367E5F18FB06AC0B11BEE4F3C88CEF8236B7C6C442C5676	46687153AE3DA9E4ECF2D26A4AC3EFF2

NEW FEATURES

No product specific features were added for this release.

ENHANCEMENTS

No product specific enhancements were made for this release.

SECURITY FIXES

No product specific security fixes were made for this release.

BUG FIXES

1. Corrected AnywhereUSB group restriction per client ID feature. [DAL-10013, AWG3-3259]
2. Addressed issue with serial ports ceasing communication after a configuration change. [CEZ-662, DAL-5230]
3. Fixed issue with RealPort service no longer allowing connections, requiring reboot. [CEZ-658]

VERSION 24.6.17.54 (July 2024)

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link:

<https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-24.6.17.54.pdf>

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-24.6.17.54.bin	23a1384c03848fc874e89cbf3c8594d2f82fa76031fcdbab71bc82cc5119f4aba73656b9a4489264baac0f268e2183dca6e99989273ee10fe66c8c7dfa26efc1	4bca75e8f17371f918226e281cdeb8c65
EZ02-Cxxx	ConnectEZ2-24.6.17.54.bin	20fb84963119bc0925d532a127f162751763e454f772b6d8b55c629b386b0cf571dacdfd9538485418df704d9f49b88e1f0c6126f66a3a08cbe8bf20cae030e9	c4b83dd26c5a27b3cd3bcc0b8d4e6dcf
EZ04-xxxx	ConnectEZ4-24.6.17.54.bin	77ee26c5c0913bfe6ccb86d04aa8c91abbbb3a6088a9f0a02ed964d8ea92e1cb44c019c892552df4ee3e69f41067421964e83a7751b64c962d3c4d8b6a0afeb	be45e2f2b37983a8a1d38b846c1d4c29
EZ08-Axxx	ConnectEZ8-24.6.17.54.bin	6c4ed8765e28805ebf6006b232dd65a4455e8f09ede58aefc95c5c636a389cfa5ad55b8938a517daffed40c11551317bd52878d25f29f85e9590f48f2722b8ad	4f007b9cafb341316ab3dfe02e2faf5
EZ08-Bxxx	ConnectEZ8W-24.6.17.54.bin	6d38051db66b6e9d47a4abd9729e887b962d7bdc26afa43521f6ccb641f9d76fe4aef1cba38c7cdf5cb842bbda845b9a46d94823ddd739ce8f973d5637c418dc	010de3b9fc93ba93eccc7dd1d732479b
EZ08-Cxxx	ConnectEZ8M-24.6.17.54.bin	69054d31309e014f5834f58569f0301f7d53e68564892c968a13a316e788835ee988f2793ee7e1706695790d715ea345e61c704f85c40adb51b64036a13d824b	4d9fb76fdf20ab0ff4f67f03f54ef835
EZ08-Dxxx	ConnectEZ8IO-24.6.17.54.bin	8c0ab40e3322c4a436e37f3b6dc350039d960b662770a12277b120e31ed909a2f84ec675a0bf15ba539429b3d2516c4c98e3ba725de5c42a38ac04c52225a46c	a947a1bba5e5c10686b0e06748885f4d

EZ08-Exxx	ConnectEZ8IOS-24.6.17.54.bin	86306ed28333fb96e856b9901c3661fd1ff01d8795fdfebb36ee879587dddcb8509b8b5a27c2eff7d2eccbb6595e9d33fc8835f39c7f563cc00afd2fe8b02219	3ae63b5f3b63cb16ed69ccf68a5a1e75
EZ16-Axxx	ConnectEZ16-24.6.17.54.bin	4c7005bcf5d7b5dbf296e1a7d5ff56dc9aa6b32af949697e0dd0095f57c866281c60c46bcd23eb4bc4864ca6e51bd3421ce9149df794e8be0c288d163e1dca9d	44bcf0fac6d39857a7d7cc47f42f2aaf
EZ16-Cxxx	ConnectEZ16M-24.6.17.54.bin	a9e8586d7d10c1e31c8157d3cb2c4d445f14ba28c36c63248697e3904c47f4006eac695ee38db7f15ec8c443c6fdca8c8ff76a6d7376f9fcd45d8aa1aff7a381	17fd3d23c6f6926447a46bcea02bfd1a
EZ32-Axxx	ConnectEZ32-24.6.17.54.bin	4174caf2c76295ee12f63d67c6dbc63ba5a9fa1628aabbff69f662656393cadaa561efb7726086d08f2a8daee9e4b572a724802572f595b023364b84597c986d	c2545b9f0e65d11f51fc9708d764295a
EZ32-Cxxx	ConnectEZ32M-24.6.17.54.bin	4323716f2231b406ba9f2fbc0a36fbc0e79788037e318e3a5d11291e9c0dc43010f3b66b899aa2ae817416e2f47adf801f511f793c7a5af4c3ecc855133d8e9	2533a849469d295b0fe0d1191f1c5339

NEW FEATURES

1. Serial port status information has been added to RCI state queries. [DAL-8693]
2. Serial character and RS-232 MIB support has been added to SNMP. [DAL-9331]

ENHANCEMENTS

No product specific enhancements were made for this release.

SECURITY FIXES

No product specific security fixes were made for this release.

BUG FIXES

1. RealPort now properly handles blocking opens from multiple agents. [RP-273]
2. Support for five and six data bits has been added to serial configuration. [CEZ-616]
3. RTS toggle pre-delay has been fixed. [DAL-9330]
4. The /opt partition in older devices was not using all available flash space. This partition will now be extended at boot time if found to be smaller than possible.

VERSION 24.3.28.87 (March 2024)

This is a **mandatory** release

For a full list of changes to the Digi Accelerated Linux operating system, use the following link:

<https://hub.digi.com/dp/path=/support/asset/digi-im-dal-os-24.3.28.87.pdf>

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-24.3.28.87.bin	11df0404390d4cde9e3a92ac4e6ce56886131f2fbde0e09190d1ddd962ac5925bef5806ead33847b8c9324a5583f4a20e55809505b5c44e17d8346bc0dfdd6b0	bfa420e8fd2dd7026d67ae776bf93be2

EZ02-Cxxx	ConnectEZ2-24.3.28.87.bin	552656d4d41f35b15f7e276290743449b402ad6b46bcd22aef8756296865f5ab11b532e9bddb8aa4c34888d23aa51eeef1a7b8b61920ee7a328264caf67ad87d	76f6d8e0516ec991cc2414bed132c2c3
EZ04-xxxx	ConnectEZ4-24.3.28.87.bin	69e6b436472587ef6707013261ce324d49cec496d32370d53e4b9c9821ccc1e8c5d8348e7579859d2baa26c3e0d7d2808842f24b4fc4d8e53db375fca20f3336	c96babc8c57cf012d87508b387a97521
EZ08-Axxx	ConnectEZ8-24.3.28.87.bin	5eb0f363fc70c4e98c3600a537f4557cd00bb147432c58a22d33dc77d0216f4a7d84e45e3a29f8a39d1cdafeed373639fb4d8c6774280df32d5801900283e166	06aaa3d271ba47a9142bcc322ce07334
EZ08-Bxxx	ConnectEZ8W-24.3.28.87.bin	4e4a25dd4a8e4d68b606dd751873cbb36354199eb90ecc94de426755fc72187215bb54d8bb40ab9047ba98a7d9b45fcb62c6d0b17fde0e39e1286983a4eceed9	3268c49708df1059d9ba965ea5b847b5
EZ08-Cxxx	ConnectEZ8M-24.3.28.87.bin	8f20b7e77c714a147c4b530df6df6a3efd8189bcaf6394b855490b493bf517e4af1ad3c9cceb9e85f0915fcafd3789240040afd234d4969991ae770a9cff7a95	e0f421832f32aef6ef21d474b711db1e
EZ08-Dxxx	ConnectEZ8IO-24.3.28.87.bin	0a7d41dd67bb9a9b2b089d7db16b2313ef021e772d07712eecbf96e21905d912bbc9af032d02b8a5ef2d70e07ac8c326f76046d299bfd91515f62a63138f6a9d	8f08f8f871eafaf27d05a46677a58011
EZ08-Exxx	ConnectEZ8IOS-24.3.28.87.bin	4788ddeae4b7313cf501cc11630d56bfab60e7cae95f8ec6bdeba49dd9c941cb46fd3937a0dcd39141e080ba69d5f7adf7e80876d7b5a6de206062035b7810fc	b2b2ecdba669f319fb5107f24ae0ca0b
EZ16-Axxx	ConnectEZ16-24.3.28.87.bin	ad505f229f2d7cefb3a80a7165ffb9169d1819b668bcf690733c04c26d32f68bc0e1cf2e45516760fa8c930e1f004e8459e807008d2b90546730ac539bdcd53f	a5da427c6f5c886f7eee08c65217489a
EZ16-Cxxx	ConnectEZ16M-24.3.28.87.bin	8858cfc43f7ff2c8518b70eedf9b92ea6d6336dea1a015aca5117426509d29bccd67276a0f9be9a3896d9006b4a6cec37333a56ce2d68837986cfe26010679f1f	a3d6a13132aade9992d25160a376f0ad
EZ32-Axxx	ConnectEZ32-24.3.28.87.bin	053e115f742ffa3db777b9dee8e7e8cf147e003ed8b2d1fe6f6c1aebdbdf2a9d6e5a2af4f5fbed60bd61b51dca5667276b744a34cdf74b38a8be2869fb6cbc5d	44c75cfd26500296fd52a3c7d09cf187
EZ32-Cxxx	ConnectEZ32M-24.3.28.87.bin	17fa7e70be26081a835e4296358f41f855411b0f9efff8530c60ef6d261771324ced88ea9da544a0797301fafe76e7eafa1fe076b9f8ef9eb2cb295b39ca63e6	b57d4dbcbdb842dfdc94b73949eacb489

NEW FEATURES

- An option has been added to the Serial interface support to disconnect active sessions.
 - A new CLI command **system serial disconnect** has been added to support this.
 - The Serial status page in the Web UI has also been updated with the option.
- The Web UI serial status page and the show serial command have been updated to display the same information. Previously some information was only available on one or the other.
- Serial status summary has been added to the Web UI dashboard.

VERSION 23.12.1.63 (December 2023)

This is a *recommended* release

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-23.12.1.63.bin	f4aa6ff7fa4d795012a90fc2c4e5b859c190f4350e3a038404d123df1ee381302fd20a3d1f0dc424ffcaab64106e8fc44b528d8b84f074a3a3b53250a7730e8f	167bb07382146333cc9679263d0cd437
EZ02-Cxxx	ConnectEZ2-23.12.1.63.bin	ae2dc1935cec9999d0f5b2994ff3a7cdd0a2bec65c655c9a54ad697a69e652d794affefa5afb18703f21e7c95385aae2888e19eeb933332103e3c148a43e08f	8cb2d7edace1a1f2ea4b095b3e63143c
EZ04-xxxx	ConnectEZ4-23.12.1.63.bin	b1fc87722fb051ceb150098ff9cb6cbed46faaf153bcfb2fd3fcb9e9567164a8c47b80cf3930a7a0bbdcedd36933602df14759e311a87bdc091e6056b1d117	c65ad28f6e57d0b645135a007f3f6448
EZ08-Axxx	ConnectEZ8-23.12.1.63.bin	1dfa1380cda62a00388d88c582189dd68a02974600d8e95c244995ccdef07d319d44e4f03e8bbab7013fb4180859e9ea2c1016a7a4a932b6a20fc9144d2f54	f152e9626fadccda82f5f499222ce6ac
EZ08-Bxxx	ConnectEZ8W-23.12.1.63.bin	6aa5f695651170c41a921f915af5e3dd6ea5eca3f562709f8fe0ed53b104a9af9249d4f404d778df7f35e58a83e54f00e069f8c87765a818d61aa5f99bec8258	bfe99da2e7508d31e5259b47d54a1c3c
EZ08-Cxxx	ConnectEZ8M-23.12.1.63.bin	86a88081a5c4a836e1a5d0cf5b034f74f70b56d87a341b4993c3effce2b8f4cc4e6576d0b870ac0882c30d02030257d9560511e13bd287920faf312c3a388346	f58e43ed5102429dceca1e3ca743e099
EZ08-Dxxx	ConnectEZ8IO-23.12.1.63.bin	1173713d621ae9b1266d09653657a3d7e9a0141c5d90faf4d65bbdcb764c7f074d48d876fd9894f95b32f5b138e239d8b6a18d67b4cb953293680518103dd744	652767daef1cce477f205511936cf1b1
EZ08-Exxx	ConnectEZ8IOS-23.12.1.63.bin	adec68eb59c11ea245dc017ec8bc33891f1b5d55937d17875fdac0b5c9dcbf81abd35bdbeddcb1ee843d5764ab23e54e40e43a98377bc3b6da125e7c2847be8a	992e1392456e7e93f8f004701d475523
EZ16-Axxx	ConnectEZ16-23.12.1.63.bin	0d5b6092d427c6eb0e1e00d0d37183a09f60dd6dc1464ae9b9941f80e01f91d36d3a9b752a7ec38912460c72379ca8a40f7a9093dcf2a6352a7d14f938c74f6d	159f041d480e27b597ec0d6f91b06fee
EZ16-Cxxx	ConnectEZ16M-23.12.1.63.bin	7d89b94613767a63f517f5ce98d7d235f7c1f77cdc3a9ea8062a53b0870e8bcb45166375e0831fbfb67094460ce88512ecd6212c0e7aa705cd771cd43d567ca0	4ad06f62b24d855006519a1ac1198db5
EZ32-Axxx	ConnectEZ32-23.12.1.63.bin	9e4b98766c9bf55bfdaef0010e58403315819fc2c0120d98550033df1310b5b9217b75a97493a4511d5829ac375b2bbd3afd5518da54244c760e7e2c9fe48b58	db065747bee5a157ddeefc96c7b5fc47
EZ32-Cxxx	ConnectEZ32M-23.12.1.63.bin	240aab20f1751e388104ec2fafa64ec697d3ad1da12a576ccc1d5341f0ea647f0651f5686ac9d80d10da8052463fd2b92cbbfb1c194fd7e7b00b616a0239c29	c0a825e8d672061f6f2d0aafcd7471db

NEW FEATURES

1. Support for linking OSPF routes through a DMVPN tunnel has been added.

- a. A new configuration option **Point-to-Point DMVPN** has been added to **Network > Routes > Routing services > OSPFv2 > Interface > Network** parameter.
- b. A new configuration parameter **redirect** has been added to the **Network > Routes > Routing services > NHRP > Network** configuration.
2. Support for the **Rapid Spanning Tree Protocol (RSTP)** has been added.
3. Support for **device initiated RealPort** connections has been added.

ENHANCEMENTS

1. A new option **After** has been added to the **Network > Modems Preferred SIM** configuration to prevent a device from switching back to the preferred SIM for the configured amount of time.
2. The **WAN Bonding** support has been updated
 - a. New options have been added to the **Bonding Proxy** and **Client devices** configuration to direct traffic from specified network through the internal WAN Bonding Proxy to provide improved TCP performance through the WAN Bonding server.
 - b. New options have been added to set the **Metric** and **Weight** of the WAN Bonding route which can be used to control the priority of the WAN Bonding connection over other WAN interfaces.
3. A new DHCP server option to support BOOTP clients has been added. It is disabled by default.
4. The status of Premium Subscriptions has been added the System Support Report.
5. A new `object_value` argument have been added to the local Web API that can be used to configure a single value object.
6. The SureLink actions **Attempts** parameter has been renamed to the **SureLink Test failures** to better describe its use.
7. A new **vtys** option has been added to the CLI to allow access to the **FRRouting** integrated shell.
8. A new **RealPort** option has been added to control the minimum TLS version that can be used.
9. A new **modem sms** command has been added to CLI for sending outbound SMS messages.
10. A new **Authentication > serial > Telnet Login** parameter to been added to control whether a user must supply authentication credentials when opening a Telnet connection to direct access a serial port on the device.
11. The OSPF support has been updated to support the setting the Area ID to an IPv4 address or a number.
12. The mDNS support has been updated to allow a maximum TXT record size of 1300 bytes.
13. The migration of the SureLink configuration from 22.11.x.x or earlier releases has been improved.
14. 5G slicing is now supported on the IX40.
15. A new **System → Advanced watchdog → Fault detection tests → Modem check and recovery** configuration setting has been added to control whether the watchdog will monitor the initialization of the cellular modem inside the device and automatically take recovery actions to reboot the system if the modem doesn't initialize properly (disabled by default).
16. Added option to configuration of serial "remote" mode to hang up client connections on the fall of DCD/DSR when those signals are being monitored. [CEZ-594]

SECURITY FIXES

1. The Linux kernel has been updated to version 6.5 [DAL-8325]
2. An issue with sensitive SCEP details appearing the SCEP log has been resolved. [DAL-8663]
3. An issue where a SCEP private key could be read via the CLI or Web UI has been resolved. [DAL-8667]
4. The musl library has been updated to version 1.2.4 [DAL-8391]
5. The OpenSSL library has been updated to version 3.1.3 [DAL-8447]
[CVE-2023-4807](#) CVSS Score: 7.8 High
[CVE-2023-3817](#) CVSS Score: 5.3 Medium
6. The OpenSSH package has been updated to version 9.5p1 [DAL-8448]
7. The curl package has been updated to version 8.4.0 [DAL-8469]
[CVE-2023-38545](#) CVSS Score: 9.8 Critical
[CVE-2023-38546](#) CVSS Score: 3.7 Low
8. The frrouting package has been updated to version 9.0.1 [DAL-8251]
[CVE-2023-41361](#) CVSS Score: 9.8 Critical
[CVE-2023-47235](#) CVSS Score: 7.5 High
[CVE-2023-38802](#) CVSS Score: 7.5 High
9. The sqlite package has been updated to version 3.43.2 [DAL-8339]
[CVE-2022-35737](#) CVSS Score: 7.5 High
10. The netif, ubus, uci, libubox packages have been updated to OpenWRT version 21.02 [DAL-7749]

BUG FIXES

1. An issue with DMVPN that cause NHRP routing through tunnels to Cisco hubs to be unstable has been resolved. [DAL-8668]
2. An issue that prevented the handling of incoming SMS message from Digi Remote Manager has been resolved. [DAL-8671]
3. An issue that could cause a delay in connecting to Digi Remove Manager when booting up has been resolved. [DAL-8801]
4. An issue with MACsec where the interface could fail to re-establish if the tunnel connection was interrupted has been resolved. [DAL-8796]
5. An intermittent issue with the SureLink restart-interface recovery action on an Ethernet interface when re-initializing the link has been resolved. [DAL-8473]
6. An issue that prevented the Autoconnect mode on a Serial port from reconnecting until the timeout had expired has been resolved. [DAL-8564]
7. An issue that prevented IPsec tunnels from being established through a WAN Bonding interface have been resolved. [DAL-8243]
8. An intermittent issue where SureLink could trigger a recovery action for an IPv6 interface even if no IPv6 tests were configured has been resolved. [DAL-8248]
9. An issue with SureLink custom tests has been resolved. [DAL-8414]
10. An issue with LDAP authentication not working when LDAP is the only configured authentication method has been resolved. [DAL-8559]

11. An issue where local non-admin user passwords were not migrated after enabling Primary Responder mode has been resolved. [DAL-8740]
12. An issue where a disabled interface would show received/sent values of N/A in the Web UI Dashboard has been resolved. [DAL-8427]
13. An issue that prevented users from manually registering some Digi router types with Digi Remote Manager via the Web UI has been resolved. [DAL-8493]
14. An issue where the system uptime metric was reporting an incorrect value to Digi Remote Manager has been resolved. [DAL-8494]
15. An issue that prevented the pulse counter digital input from working if the debounce period was set to a non-zero value has been resolved. [DAL-8891]
16. An issue where Digi Remote Manager would display an incomplete firmware version for the EG25-G modem has been resolved. [DAL-7108]
17. An intermittent issue with migrating IPsec SureLink setting from devices running 22.11.x.x or earlier has been resolved. [DAL-8415]
18. An issue where SureLink was not reverting the routing metrics when failing back on an interface has been resolved. [DAL-8887]
19. An issue where the CLI and Web UI would not show the correct networking details when WAN Bonding was enabled has been resolved. [DAL-8866]
20. An issue with the show wan-bonding CLI command has been resolved. [DAL-8899]
21. An issue that prevent devices from connecting to Digi Remote Manager over a WAN Bonding interface has been resolved. [DAL-8882]

VERSION 23.9.20.63 (October 11, 2023)

This is a **recommended** release

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-23.9.20.63.bin	bab800a1bc252a345f611472826cb9252a9a13168474511cb2bc04b6e32560da61f46644edf6d979b79160ae5731b53b7034f5efcf6eeac6854d1879d5bb9226	5508134878610dbcf85d715e1651a226
EZ02-Cxxx	ConnectEZ2-23.9.20.63.bin	19eac7e4811ad9e6044c0ba818be381b3a059ba20cd742b0048000cee27af19535c352704261b7d0a16526ff62132a6384dda0fbe07fcc8b8c7a5dd53218766e	c47614cdfaa16f193d3f90b225103f71
EZ04-xxxx	ConnectEZ4-23.9.20.63.bin	a9d1e0d903326a2c8adcecd0d26b71dc9717894a5dabda5b5aa60662c188010a34eac767e3055e451794c0fb4914e1cd3162f3cc627b0d6aa0eea3bb70af667b	55b4d80cadaa936c321443fde6b1ece3
EZ08-Axxx	ConnectEZ8-23.9.20.63.bin	1878516d261d8903c8edc4b3110e0dec85b56f47382d5231b24ff019ab29b6699e86ef47f4b02fcb21a102b5b3a334daf7c452242b8b12e5bea6b6effe59964c	d63b1565409da94a2c983d211caa00b3
EZ08-Bxxx	ConnectEZ8W-23.9.20.63.bin	8a2a9882cec7796d4305061aaa1a04749ad6117a8bcd5f734aa15fbdb5e76b36c4470333d782bc46ed7b4cc7733fb7916b48cf0170f3f939997e0ffe694a6d79	c7aaeb00c39892030ab55a7fbbedac2f8

EZ08-Cxxx	ConnectEZ8M-23.9.20.63.bin	3ff228d2e18bc5f2b4325dff08b1e96f54fc71c718c5b8b18b94185f2bae394283016ec775925bfc0be5873c0dcd2fa4458bf392e45193e60f9f92a2501f8aa	ad656fc8fd3a280af38a329ce9a9b4e8
EZ08-Dxxx	ConnectEZ8IO-23.9.20.63.bin	e84f761d2eab39d0e4788654d41a76947e1c0ca6351489f4c4bd902bdc9b1323f7bb88f3b9204dee5ef50063e0b0730f7f33cdb32503d0db1d6730f25a7a24b8	7ef8ab80eb097696209773369fed4cea
EZ08-Exxx	ConnectEZ8IOS-23.9.20.63.bin	a3e0b85d2c0984f0635e3799bf4450173964378d46497ebe722bee9fed8420d5fa93c6f08ab72314b05e9cbd0a681f286c8b8117198c3f92291db272fabec915	6da9011c7fd990acd1e591df9f82e83e
EZ16-Axxx	ConnectEZ16-23.9.20.63.bin	419710a572ac4790dc8bd69d6df9c3c25602829f7d0361983943b6890355755f8d230da065903dd73c618742ffa809adf0822b31b9447cc1c927ebecc09b6b38	e5769a0391be60c568452c64dd9e73af
EZ16-Cxxx	ConnectEZ16M-23.9.20.63.bin	39fee449d67ebdf9e2586d11b6f39d3cd3cb3076d1fffaecc6f58d79dcf8d11cff0517c64cc84f53e5b3acfe408358fec59ba55b978df157fd8ae72ca9657380	1f40a238083ca87c75252dc5b6d420c8
EZ32-Axxx	ConnectEZ32-23.9.20.63.bin	dde65c9580ad7994ca45b099f07a1a269f6231385e0892bb519ffca23277be5bd5d696326eb835af194d959c4fdea23d648350cdd910d564b6124e5ce803b965	21a6b702bb9a82232d4b9376b388df87
EZ32-Cxxx	ConnectEZ32M-23.9.20.63.bin	115b582e2fb3735a8f994dc7ab6072665f1126b1944e1a76509bd67a1c18d3665cca785cd761ece3e59c9fc408a5c967f36a63f9adecc6580605b9ed15971af0	0cfd85b9c27421b3d04dd84d05e3b0c1

FEATURES

1. Added **Status** → **Premium Features** page to the web UI for locally viewing and managing subscription licenses available from Digi Remote Manager [DAL-6636]
2. Added a link to the **Dashboard** of the local web UI to register and add the device to Digi Remote Manager [DAL-6787]
3. Updated the layout of the **Dashboard** page of the web UI to combine the network interface and cellular modem details into a single **Network Activity** panel [DAL-7361]
4. Added MACsec (802.1ae) support and configuration options under **VPN** → **MACsec** [DAL-6825]
5. Improved support for integration with HotspotSystems [DAL-7722]
 1. PSD2 SessGarden
 2. Login/Logout URL
 3. Configurable remote webserver FQDN
6. Added new **System** → **Primary Responder mode** setting to lock down the device to comply with AT&T FirstNet and Verizon Response Verify security options (disabled by default) [DAL-7849]
7. Added new **Services** → **DNS** → **Domain allowlist** configuration settings to control what domains are accessible through the Digi device (default is to allow all domains) [DAL-6741]

ENHANCEMENTS

1. Added new **Services** → **DNS** → **Fallback server setting** to control what DNS server is used as the fallback in the event that no configured or DHCP-obtained DNS servers are available [DAL-7439]
2. Removed mention of DHCP set in **System** → **Containers** → **Address** help text [DAL-6453]

3. Add nrbroadband APN to the fallback list for AT&T SIMs [DAL-8038]
4. Add NFOD-INET-APN01.com.attz APN to fallback list for AT&T SIMs [DAL-8337]
5. Add fbb.home APN to fallback list for T-Mobile SIMs [DAL-8105]
6. Add iot.tmowholesale APN to fallback list for T-Mobile SIMs [DAL-8026]
7. Updated PLMN and ICCID prefix list for T-Mobile SIMs [DAL-8105]
8. Added a new DHCP option to **Network → Interface → WWAN → Type** configuration setting to support advertising the device's hostname over a cellular network [DAL-7641]
9. Added new **Network → Interface → IPv4 → Force link** option to keep the IP network interface up even when the physical Ethernet link for that interface is down (disabled by default) [DAL-8066]
10. Added symlinks in / root directory for file system directories accessible remotely through Digi Remote Manager [DAL-7646]
11. Add serial number to SNMP MIB [DAL-7720]
12. Added new configuration settings under **Services → SNMP** to provide a dynamic set of properties and values to add as OIDs to the SNMP query response
13. Added new **PDP context index** setting when configuring an APN to control what PDP context the APN gets written to within the SIM [DAL-6573]
14. Added **network.modem.modem.dhcp_relay** debug setting to enable DHCP relay support within the cellular modem (disabled by default) [DAL-7312]
15. Updated the input voltage and system/CPU temperature metrics to limit the measurement to one decimal point of accuracy [DAL-7958]
16. Updated the Containers status page in the web UI to validate the name of the container file being uploaded [DAL-7617]
17. Added help text to the pop-up modem when performing modem firmware updates on the **Status → Modems** page in the web UI [DAL-8174]
18. Update **Status → Serial** web UI page to show Log button in **modem emulator** mode
19. Updated the **System → Firmware** page in the web UI and the pop-up notification in the CLI/webUI to include the build date of the firmware [DAL-8022]
20. Updated the setup of serial ports configured with remote TCP listeners to utilize the SSL version specified in the **Services → Web administration → Minimum TLS version** configuration setting (Default TLS v1.2) [DAL-7915]
21. Added new **System → Containers → Working directory** configuration setting to specify the path within the container to use as the initial working directory when starting the container [DAL-8007]
22. Renamed the title and updated the help text of the **System → Containers → Clone DAL** configuration setting, which is now titled **Clone host system libraries** [DAL-7989]
23. Improved the log messages while the cellular modem is connecting to better reflect the Surelink state and why Surelink tests were skipped [DAL-8085]
24. Add WAN Bonding status and details to support report information [DAL-8371]
25. Updated the help text for TACACS+ under **Authentication** config settings to note that the # character cannot be used in the TACACS secret key [DAL-8273]
26. Add **#swpkgv** AT command to support report for additional firmware details from Telit modems
27. Add support for configuring lower serial port baudrates from 50-600bps [CEZ-588]

BUG FIXES

All bugs listed affect firmware versions 23.6.1.118 and older unless specified.

1. Fixed issue preventing modem firmware OTA updates from completing when initiated via Digi Remote Manager and the update was done over the device's cellular connection [DAL-

- 8333]
2. Fixed race condition where the NTP server failed to start if an active NTP sync was in progress [DAL-8122]
 3. Fixed issue where Surelink fail_count metric was not reported to Digi Remote Manager when Surelink tests were passing [DAL-7975]
 4. Fixed rare issue where the cellular carrier reported to DigiRM would be “0” instead of the carrier name [DAL-7924]
 5. Fixed occasional issue where the device would not update Digi Remote Manager with the new firmware revision after a modem firmware update was initiated from Digi Remote Manager [DAL-7983]
 6. Fixed issue where Surelink metrics weren’t reported properly to Digi Remote Manager for bridge interfaces on the device [DAL-7990]
 7. Fixed issue where the cellular APN metric was not being reported to Digi Remote Manager (affects firmware versions 23.3.x through 23.6.1.105) [DAL-8055]
 8. Removed meaningless warning in system logs stating that there was an invalid key for the anywhereusb service (affects firmware versions 23.6.1.x) [DAL-8000]
 9. Fixed issue where the Digi device could connect with the configured APN list out of order if it had previously connected with one of the configured APNs [DAL-8335]
 10. *1003-CM07 CORE modem*: Fixed issue preventing failover to secondary SIM slot with EM7411 modems (affects firmware versions 23.6.1.x) [DAL-8191]
 11. *1003-CM07 CORE modem*: Fixed rare issue where the EM7411 and EM7511 cellular modems could initialize in the wrong mode and prevent cellular connectivity [DAL-7923]
 12. Fixed issue preventing cellular connections with the secondary SIM slot if multiple network interfaces were configured per-SIM slot (affects firmware versions 23.3.x through 23.6.1.x) [DAL-8115]
 13. Fixed missing temperature info in the Admin CLI, web UI, and in the metrics reported to Digi Remote Manager [DAL-8132]
 14. Fixed issue where the wrong destination IP and MAC address was used for Surelink ping tests on GRE tunnels [DAL-8385]
 15. Fixed issue where cellular utilization reports in Digi Remote Manager would be skewed due to the device reporting incorrect Rx/Tx data usage metrics to Digi Remote Manager (affects firmware versions 23.6.1.x) [DAL-8380]
 16. Fixed bug in the output signals in Realport serial mode [RP-237]
 17. Fixed issue where WPA2 mixedmode Wi-Fi client-mode connections would revert to WPA-only and prevent connection to WPA2 APs [DAL-8443]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a CVSS score of 9.8 Critical

1. Update all product firmwares to use OpenSSL version 3.0.8, including configuration setting to enable FIPS 140-2 compliance
2. Updated OpenSSH to version 9.3p2 [DAL-8097]
 1. CVE-2023-38408 (9.8 Critical)

VERSION 23.6.1.105 (July 16, 2023)

This is a **mandatory** release

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-23.6.1.105.bin	e89ba7698284311688b43b4df501ff706161f12fb10768b0a49ab093c44466751359aad7f2d1d164f884be78cfd738ac17fe0cf2128e281818fa2f49950d588f	88702d4065d88d5f6d43d0405140f1c4
EZ02-Cxxx	ConnectEZ2-23.6.1.105.bin	e36ef23d403e6a693b401ada92e79bc3b25a95d2ab6142850fe3fc4e62db4cf9e6e6202becb8e8e248e81009c6738920d79c056b9172b89875e22188d1c0373a	ff129378c0bf8827f106fd4a2eb694c0
EZ04-xxxx	ConnectEZ4-23.6.1.105.bin	713e37a2f57841aad69dc57d636db7123a36a2bb9aaacaecdf6f6a3757c47fbc731b88b5fa67169b9271ffb468e08a5474e41183f14f09d51e5e8bfeeaca025	ab595ff2eca5867146885f8e6dfa74bc
EZ08-Axxx	ConnectEZ8-23.6.1.105.bin	fe6790edb691a9c71a6ada5b8732654bcae530713adafd0886d0446eb0e91aee293a8285f7936f5280fd4bf4133a13212b002e900ecc338676af11f64746e913	73add9c4e06b71355d26a69cab34feff
EZ08-Bxxx	ConnectEZ8W-23.6.1.105.bin	74e4d8175d21d7c451c8baea898a0f9a5af952d6b230c19e0958db8ae1cf5dc01f17ca1a61bd5274645c1eff781654bde3210a63a2faaaf66131d56c0526f377	42caa1d31caeec35a08302cd41fc97fa
EZ08-Cxxx	ConnectEZ8M-23.6.1.105.bin	2147b2d214a3840d8717f4c08ebfac9c68dd492fbcd619a47ee8f38735a751c882492a673cc04d93b00f566d69819b2f613663798a85d1ab6e8f66d661d7ad66	ca0937879e727a6a1749904d626d6e49
EZ08-Dxxx	ConnectEZ8IO-23.6.1.105.bin	bd894bb9f9bfa8176d2b15f1d57dfb87a829c79ffc00253809eb734b27bc224f7f257190ce68dfd06c104f3246587e8d53ce78361ee6665f950d24be5190bb69	c44bf9f50dd63bbe9049a8e06ffd3af
EZ08-Exxx	ConnectEZ8IOS-23.6.1.105.bin	ca1d79019e9fe28d971178bff615fb37585aed16ff8e50a327d9a9f76f4314f1a0f21969876aed6f9ef75ee21237532b5736f139f5840c0b81722c6abb9b387	d8f5e95c14e693e3d3c8bb00b8171be1
EZ16-Axxx	ConnectEZ16-23.6.1.105.bin	18ff6306450818e253ec8b44afcc00299e3b92ef8f988c8c6a2689c37320a33189c1b03820e6e489653c5758d8602eb5ff9d81675567484775cbf3a06e2df8d3	42fba48f5673b42c904363ea3e98a993
EZ16-Cxxx	ConnectEZ16M-23.6.1.105.bin	c3094a8f3d6d458e9a89cbf703e2913919e76b6823a2cf8f1bd6b61f4bdb1a895c6caec7e5571b6372dda9887f0ff908051dfad2332ea5422a73cbf2adccbe2c	20238a7be362b0a3b86329a2289f85c8
EZ32-Axxx	ConnectEZ32-23.6.1.105.bin	bc18ee3f49ba2245c6fea9194f01d9ec0f1b12a7bbb41e2f9edd7e2410d94aef66cd0e7ec9683a6830b5214e732bf17f2ac795eef67039ab2a8248004095666b	eb5f5580e14250865f3e4a732f498371
EZ32-Cxxx	ConnectEZ32M-23.6.1.105.bin	423ae911a9d88f6866320650774c99044c8d461e8c39d278709200b5056230098edd9d8bac94439326853ff9ea6e7a320613b58d5b56e3d0984d7d309db3d07f	b45e8f38d0c9f09af3aafd55e151911c

FEATURES

1. Added new **Modem emulator** mode to serial ports to allow them to act as a dial-up modem

- emulator for handling incoming AT dial-ins [DAL-6669]
- 2. Added ability to receive a remote command from Digi Remote Manager to perform a SIM survey, which will attempt connections to each SIM inserted into the Digi device, then switch back to its previously-used setup before the SIM survey and report each of the SIMs' connection details to Digi Remote Manager (signal strength, APN used, connection status, cellular tower info, etc)
- 3. New unsolicited query_state RCI responses in DigiRM for reporting system temperature and modem firmware versions [DAL-6550]

ENHANCEMENTS

1. Add **System → Advanced Watchdog** configuration options to monitor memory usage, critical services and automatically reboot if those services fail
2. Automatically generate a support report in /opt/digi-support-watchdog-mem-full.bin before a device reboots due to a watchdog memory-full condition [DAL-7948]
3. Added option for receiving modem_firmware_update remote command from Digi Remote Manager with a specific modem firmware version to update to [DAL-7656]
4. Added the following details to the metrics sent to Digi Remote Manager about the cellular modems inside the Digi device [DAL-7800]
 1. Add a unique ID tag to the response messages sent to DigiRM after a modem firmware update was initiated
 2. Include modem name and updated version in the modem firmware metric
 3. Ensures that modem firmware versions listed for the device are updated in DigiRM after a modem firmware update completes
5. Report the modem IMEI to Digi Remote Manager even when no SIM is installed [DAL-6778]
6. Added the following new values to the datastream metrics and RCI query_state responses reported to Digi Remote Manager [DAL-6868, DAL-6549, DAL-6655, DAL-6576]
 1. cellular/x/sim/y/registration - roaming/registration status of the modem
 2. metrics/eth/1/surelink/rtt - ICMP ping round-trip time for the Surelink ping test
 3. metrics/eth/1/surelink/fail_count - Count of failed Surelink tests, which gets reset if the tests start passing
 4. vpn/ipsec/x/disconnects - number of disconnects the device has had on an IPsec tunnel
 5. eth/x/link - up/down physical link status of the Ethernet port
 6. metrics/wifi/x/ - rx/tx/packet-count statistics for any configured Wi-Fi client-mode connections
 7. metrics/wifi-ap/ - rx/tx/packet-count statistics for any configured Wi-Fi access points
 8. sys/chassis/voltage - input power supply voltage
 9. sys/chassis/temp - temperature of the device
7. Immediately upload all health metrics on the first time it establishes a connection to Digi Remote Manager [DAL-7559, DAL-7504]
8. Display the active interface used to connect to Digi Remote Manager in the Dashboard page of the web UI and the show cloud Admin CLI output [DAL-6446]
9. Updated the minimum-allowed location update and cellular modem update interval to 1-second [DAL-7440]
10. Added new Location source option to directly poll the cellular modem's GPS port [DAL-7682]
11. Added new **VPN → IP tunnels → Enable open routing** configuration setting to allows packets destined for an address which is not explicitly in our routing table to exit the iptunnel [DAL-7076]
12. Added new **Network → Advanced → TCP retries2** configuration setting to control the

- number of times an unacknowledged TCP data packet will be retransmitted before the connection is considered lost (default 15 retries) [CEZ-570]
13. Update the help text descriptions for all serial port modes for additional clarity
 14. Updated the SSH server enabled for serial ports to reference any configured custom SSH options in **Services → SSH → Custom configuration** [DAL-7863]
 15. Added a new configuration setting under the options for a serial port set in PPP dial-in mode to control whether a default route gets added for the PPP interface (default: disabled) [DAL-7798]
 16. Improved wording in the error message when a TACACS server cannot authorize the full CLI command due to RFC length constraints [DAL-7852]
 17. Create a system log if WAN Bonding is enabled but unsubscribed [DAL-7882]
 18. Removed the **Network → SD-WAN configuration** configuration section [DAL-7881]

BUG FIXES

1. Fixed errant IPv6 packets from being transmitted over a PPP dial-in serial connection [DAL-7799]
2. Fixed issue where WI-Fi hotspots would not startup correctly if they weren't linked to a network bridge [DAL-7623]
3. Fixed issue with improper LWM2M setting on LTE Cat-M modems preventing registration issues with AT&T and Verizon [DAL-7383]
4. Log message about intelliFlow being unsubscribed only if intelliFlow is enabled
5. Fixed configuration migration of IPsec Surelink settings from 23.3.x firmware to not add an **update_routing_table** action, as that action is not applicable to IPsec tunnels [DAL-7892]
6. Fixed incorrect status reported for Surelink status of IPsec and OpenVPN tunnels in the CLI and web UI [DAL-7893]
7. Fixed issue in Surelink migration from 22.11 and older firmware where IPsec and OpenVPN tunnels would not have their Surelink settings migrated over [DAL-7747]
8. Fixed issue in Surelink migration from 22.11 and older firmware where success_condition=all wasn't always properly migrated [DAL-7803]
9. Fixed issue in Surelink migration from 22.11 and older firmware where ping tests switched their default ping size from 20 to 1 byte, which can cause issues on some cellular networks [DAL-7769]
10. Fixed incorrect Surelink status reporting when Surelink was disabled on a network interface [DAL-7552]
11. Fixed logic of default DNS test so skipped tests are considered passing tests [DAL-7814]
12. Fixed rare issue where the device would report its MAC address as all zeroes when it initially connected to Digi Remote Manager [DAL-1609]
13. Fixed issue with utilizing BGP capability 70 to DMVPN hubs [DAL-7740]
14. Fixed bug where SNMP wouldn't provide updated settings if someone configured a new hostname for the device [DAL-7442]
15. Fixed bug where Intelliflow data would reset each time a network interface update happened on the Digi device [DAL-7579]
16. Fixed but preventing users from configuring network subnets in OSPF routes [DAL-7603]
17. Fixed issue where multiple SSIDs were not being scanned when DFS client support was enabled [DAL-7608]
18. Fixed issue preventing EG25-G & EC25-AF modems from connecting with certain SIMs with APNs that required username/password authentication [DAL-7644]
19. Fixed missing ICCID and modem firmware revision was not reported by the device [DAL-7757]

20. Fixed rare issue where LM940 would power off after a modem firmware update [DAL-7719]
21. Fixed intermittent issue where LM940 modem would disappear after switching SIM slots [DAL-7638]
22. Fixed issue preventing devices from performing OTA firmware updates through the **System** → **Firmware update** page in the web UI or the system firmware ota CLI command [DAL-7539]
23. Fixed minor bugs in Realport authentication timing [DAL-7651]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a CVSS score of 9.8 Critical

1. Update to Linux kernel version 6.3 [DAL-7606]
2. Updated busybox to version 1.36.1 [DAL-7819]
3. Update to OpenSSL version 1.1.1u [DAL-7818]
4. Update libcurl to version 8.1.2 [DAL-7817]
5. Update OpenSSH to version 9.3p1 [DAL-7816]
6. Update libgmp to version 6.2.1 [DAL-7820]
7. Update OpenVPN to version 2.6.4 [DAL-7822]
8. Update strongswan to version 5.9.10 [DAL-7823]
9. Update dnsmasq to version 2.89 [DAL-7533]
10. Update netifd/ubus/UCI/libublox to OpenWRT 19.07 build [DAL-6766]

VERSION 23.3.31.129 (May 4, 2023)

This is a **mandatory** release

Part Number	Firmware	sha512sum	md5sum
EZ01-Mxxx	ConnectEZ1-23.3.31.129.bin	210de552b71a4e54133461854b4284363a10981f6be3b5022a2d043ae4a2de01d4932492f09b41cc894a5d4297e8200f773af847eb1035396017683b4db92762	071f2145c9bfb6e1fcb19268f86cd78
EZ02-Cxxx	ConnectEZ2-23.3.31.129.bin	3c50b37870bdf99fe1f798d0319f0db7c9db4569b4273138b945b056e44855412eb249a902d78e28ba1321145aa518e00b6f04351021bb0262de43a99e647534	c9a25cff9dd6e0ae6315bf4c9d5890c7
EZ04-xxxx	ConnectEZ4-23.3.31.129.bin	21ad4195119a3fd4b6982283dcbd1b44fa5f7cac066338fcd281b6cd440661b08612205a73b4eacecf5fe24bfa2ce17c123ba9ee74c382f85e6eb77f17d9a08	ed79f6cc9877b5a2e08ecc03b7d77dd5
EZ08-Axxx	ConnectEZ8-23.3.31.129.bin	5101f4a05d2172214aef8391dde0071b872daafb23c150ac09cd95cdec1ef7b267b5ce97ca10a389ea26c445e5ce2e85266529d58473d2afda0440b116fcc4ab	2025bd6a5bb7bedb47ea3413315b23df
EZ08-Bxxx	ConnectEZ8W-23.3.31.129.bin	2a8ab62a3404c0c091827cbeef596f1204c7fd58e4c887230e951e4eefc3d0815627305d5bf1421a96bed62b2cd0a45182ccdb5ed0dcb82d1dd7efe601549e0	499e4087305d73ad4e233893df8815fb
EZ08-Cxxx	ConnectEZ8M-23.3.31.129.bin	11ccedca457360e72b716abe6fb65bff406e456357fcc986ae6274f9e8f4f41fcd83fe3266c8d9891ce83ce2dee035f3e6d3d0ae19088fe9aba700f9d7f204bd	20646806f684e899581091c0a8cf9f6d

EZ08-Dxxx	ConnectEZ8IO-23.3.31.129.bin	03509125f81ffd0fc9b54bad96fa04f46816226f4cb7d46b0d8202020c294b0106530786679cf4921be530ef20913a7584e2d03c64f54616c6273b2cea38af19	b94e596125a0d997715a834594557334
EZ08-Exxx	ConnectEZ8IOS-23.3.31.129.bin	471a6339cf1b8bae012bb5b3ac04b97006cb096b82372571655d44006d0a6857f61826a4f20119fc4fbd773ac7dc205287df43b0f206e068fe6b6e7d64a95a49	a1296965d7bb1723e38d2235c2def4f1
EZ16-Axxx	ConnectEZ16-23.3.31.129.bin	3b548195a40e1593375d2273621e58d3ce7a8fb7b9a509febe543cb0a89c044e665237970e90a459e363bc587eb2aa111bdbd69c7f0445cf0fe117d1bf0658e9	277c6dcb1040edddcfda247ad6c04b74
EZ16-Cxxx	ConnectEZ16M-23.3.31.129.bin	4ac19cae05a93c2c2a85f4fcfd2f7ab76c59e084673643e2106a82ea0e979fbaa2aca3e5422de0c32d309b334247a647bcf0a3a100e0c67f18a23d6e85fc9f56	0c86c8cb2d58950e9c828f46f317ca91
EZ32-Axxx	ConnectEZ32-23.3.31.129.bin	a2a1780945234fd182a37649d48610817c063dfdb70ae92e1200765de8e2e2f3bff43085b3dc4ba810181245699a505c5af6c5810ec377308ba0ba98f0426fca	1dd6b074d969b56bb81dad03b06e8342
EZ32-Cxxx	ConnectEZ32M-23.3.31.129.bin	613cf09858634f9727d27b043910ae104532166c4e5009b496ac5aea04d88a52acf30d009bb90693fc6cb37d58d92f72029c04b6c2992111566702cb46e844b9	9d68578a37d788ff8b264c7ccbe8972f

FEATURES

1. Redesigned Surelink configuration settings [DAL-6646]
 1. Surelink configuration settings are now listed in a single section under each network interface, as opposed to a separate section for IPv4 vs IPv6. The layout of the connectivity tests and recovery actions to perform have been redesigned to provide a more streamlined setup. Any configured tests and recovery actions are performed in the order they are configured, along with a new capability for integrating custom scripts as a test or recovery action. See the [Surelink section](#) of the Digi device's user guide for additional details.
 2. **Important note:** when upgrading a device with non-default Surelink settings from 22.11.48.x or older firmware to 23.3.31.129 or newer, there are some instances where those Surelink settings will not migrate and the device will revert back to default Surelink settings. Digi strongly recommends that you test the new firmware release in a controlled environment with your application before you update production devices. Pay particular attention to your Surelink configuration settings before and after the firmware update, and review any changes before rolling out the 23.3.31.129 release to mission critical devices
 3. Known migration issues with 22.11.48.x and older firmware:
 1. If an IPv4 Surelink specifies one test but the IPv6 specifies all tests, then all tests will be selected and Surelink may not behave as expected. The same applies for the reverse - IPv4 specifies all tests and IPv6 specifies one test.
 2. The previous version didn't correctly go out the correct interface in every condition. It was possible to pass the ping test without the interface even being up. This is now fixed in 23.3.31.129 firmware and newer so tests are forced out the correct interfaces by marking the packet.
 3. If migrating from a very old version (firmware versions 20.2.x and older), the config cannot be migrated as it is incompatible. In this scenario, we use the default Surelink configuration for all interfaces
 4. If there are conflicting Surelink action or test settings for IPv4 and IPv6 (eg intervals

etc), the device will use the IPv4 in preference when migrating the configuration as part of the firmware

2. DMVPN phase 1 spoke support with NHRP or mGRE, including compatibility with Cisco DMVPN hubs [DAL-6709]
3. Added ability to utilize the cellular modem as a time sync source under **System → Time** [DAL-6693]

ENHANCEMENTS

1. ModemManager updated to version 1.20.6 [DAL-6406], which includes:
 1. improved 5G SA-mode and NSA-mode performance
 2. RSRP/RSRQ/SINR statistics for 5G SA-mode connections
 3. Native multiplexing for dual-APN setups
2. Added **show surelink state** Admin CLI command to display the overall pass/fail status of the enabled Surelink tests [DAL-7070]
3. Added options under **Network → SD-WAN → WAN bonding** to configure the mode for each tunneled interface and the overall mode of the WAN bonding tunnel [DAL-7394]
4. Updated WAN bonding saneclient to version 20221103 for 5G and 1Gbps performance [DAL-7005]
5. Added new **show wan-bonding** Admin CLI command to display status of WAN Bonding tunnel [DAL-7395]
6. Added new **Status → WAN Bonding** page in the web UI to display status of the WAN Bonding tunnel [DAL-7395]
7. Added distance between the WAN bonding and Ethernet bonding setting sections in the configuration accordion
8. Added configuration settings under **System → Containers** to allow the container to be auto-started on boot with optional parameters and restart if the container stops [DAL-7021]
9. Added configuration settings under **System → Containers** to setup shared directories between the host filesystem and the container [DAL-7021]
10. Support for US cellular consumer SIMs without requiring the user to first configure the APN [DAL-7248]
11. Disable mDNS by default on EX/IX/TX products for improved cellular performance [DAL-7354]
12. Added GlobalGIG APNs to fallback APN list [DAL-6886]
13. Added new **AT&T LWM2M support** setting for enabling/disabling LWM2M on the modem (enabled by default) [DAL-7009]
14. Added IPv6 support for MQTT broker, location servers, and mDNS service [DAL-7111]
15. Include the system hostname (if configured) on the Dashboard page in the local web UI [DAL-7428]
16. Added support for SHA2 ciphers for IKEv2 IPsec tunnels [DAL-7038]

BUG FIXES

1. Fixed issue preventing users from locking a device to use a blank APN [DAL-7248]
2. Pre-shared keys for configured Wi-Fi SSIDs are now obfuscated in Digi Remote Manager [DAL-7107]
3. Fixed issue where configuration options for selecting the Wi-Fi channel appeared as “None” in Digi Remote Manager [DAL-7482]
4. Fixed issue preventing device from falling back to its local system time when running as a NTP server [DAL-7233]
5. Fixed issue preventing SIM failover when the device was configured with separate network

- interfaces set to match by carrier instead of SIM slot [DAL-6910]
6. Removed 3-second stop/start delay when making configuration updates to the MQTT broker settings [DAL-7104]
 7. Fixed issue where **tail** CLI command required a filter option in order to utilize the match option [DAL-7038]
 8. Fixed issue preventing WAN bonding interface from appearing in the **show route** CLI output [DAL-6829]
 9. Fixed issue where initial Surelink test would fail if the cellular modem was configured to be in passthrough mode [DAL-6224]
 10. Fixed possible routing issue between GRE/IPsec with Cisco peer GRE/IPsec using VTI configuration [DAL-6722]
 11. Fixed issue where serial logging enabled on Realport serial ports never closes the logging session [DAL-6748]
 12. Fixed issue preventing SMTP notifications from using TLS encryption [DAL-7079]
 13. Fixed invalid link in the local web UI to the product user guide [DAL-7304]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a CVSS score of **9.8 Critical**

1. Update to Linux kernel 6.1 [DAL-7179]
2. Update OpenSSL to version 3.0.8 and 1.1.1t [DAL-7261]
3. Update netifd to version 18.06 [DAL-6280]
4. Update libexpat to version 2.5.0 [DAL-7082]

VERSION 22.11.48.11 (March 24, 2023)

This is a **recommended** release

Firmware	sha512sum	md5sum
ConnectEZ8-22.11.48.11.bin	71A8F8524FD2197F01C8F858A065B01A7515 5FCD69BC6299A881D1A960CF66774C6A343 7C5237F3648458241722861DF634CD35927C 83DC7810360B061C2FB00	DDB203856B1967E928D5352FB326C600
ConnectEZ8W-22.11.48.11.bin	77B0E7AED770F3147A1AC3D4E519908A9D6 733C4C70ADCB13D4B0349EB8B9D043D761 46304C7F7C5AE3C8EE285EE1C74BB12FFB3 76236C54B2ED5D166E201497	7ACF0D42D6767EA92A8F5D9FFEFF1352
ConnectEZ8M-22.11.48.11.bin	BD211E9AE01CD525161DF6E93E416D0B61C C2E4A799764E349957F18ABB59645C3C202 4105E6F2FB55E82751E0313F5C27F8A93DE3 2D0A0BE1A7F9C647E38CA7	C13A7F8B35F6639B7198460EB1996056
ConnectEZ8IO-22.11.48.11.bin	26C1E39BCCEBA4A5770214D8544AF86B88F 7E0F8A7A4390FF947C2301FCC3D3771EBF2 1B65A57B496F5BC9B4DE7D663A64B083281 FDF7A342BCA6EBCA06F58FE	85B860F168882381496F62A332DE0FA2
ConnectEZ8IOS-22.11.48.11.bin	08C34D43E30EC31459DF0D4D560DDBC9F6 80C3099D2BB547E2CD87A23E181E97DEBC2 A0167075F1BB6BD3A2B510D071D2B4BAD7 F900819DED44A459A37C2FF07	9A3004A5A7A5F1F54D1A316649C90F37

ConnectEZ16-22.11.48.11.bin	9AEAF9E4C6519D8A6F4EA858D1712FE3DE30739C4A4515DEAAA363A2DC8C52B5F02AA8CAE30C7A76C970202AA0782E5A2BAF47E0D9CE5B9D26404239CB63126A	5672444F942F84FD46C19036C641854B
ConnectEZ16M-22.11.48.11.bin	C5B82356C459B2BE7BE19AB74450350AE8D663D12D6B135A66085CEE32FFC7FF019C82912F17EE34068F7112047E9BE714C93F4739ABE15A2478EDB0901E2039	F8480FC3E86C11D825B95EF1AE058D38
ConnectEZ32-22.11.48.11.bin	9945C2BC4F275AED021F95E9FCDEEE2C9AB13F8DF5A15A994E5D2B44C34FA75118F47D419AD308DE5530996DEB02A5EB3A44661ECB2F4F7F9EE6EF034175896C	FD416FD3AB0794AAB6D80BF58F1BD666
ConnectEZ32M-22.11.48.11.bin	5E929B571DDE764EB54DECD5834E96CCBB17143403D655834E021420F321BF7D2DA1063D58D8B6436392F4006C112208B884F010833733EDCA6AB036DD2A0362	EB479EA7280B3DF50CB8EF3BDB959B38

FEATURES

1. Added support for 8, 16, and 32-port variants of the Connect EZ product family.

VERSION 22.11.48.10 (November 24, 2022)

This is a **mandatory** release

Firmware	sha512sum	md5sum
ConnectEZ1-22.11.48.10.bin	7d55a9d4d5e0075d16ae75e76a606b974e31189a7afd9d68e8b029e160fced1f707ca5c6f68421a75605165dd477d2cc211485e99d0c5d89698537bbef32c6cb	ebef16391cd74d38d0a56f5409ca5566
ConnectEZ2-22.11.48.10.bin	63a36e7838dec7c9a3215397c37484710d98da9071bd5288285792665daeb6ab113e2ad22e391648f7db77c9f74def73dd280ed44ff87bb3135bd39aa8683871	79bf296b33c435e2f12f7e0dde107742
ConnectEZ4-22.11.48.10.bin	b3153e847637eab8353ff29cd1d7ce4714d256ffe8b8eedc23d5b7608d3c2fded5edb53785f62c326299bb3e0c5f19bdaae5c8bec91e78960256f597c92154ef	c36bdbec6856f8e3941103934feb965d

FEATURES

1. Updated the intelliFlow feature to integrate with Digi Remote Manager for aggregated insights and analytics [DAL-6656]
2. Add options under **Network → Routes → Routing services** for configuring Next-hop routing protocol (NHRP) advertisements [DAL-6711]
3. Added advanced watchdog to monitor critical services and automatically reboot if those services fail. The advanced watchdog also monitors system memory usage and will automatically log an error and reboot the device when memory usage exceeds 95%. The advanced watchdog settings can be configured and the **System → Advanced watchdog** section of the device's configuration [DAL-6094]

ENHANCEMENTS

1. Added new **System → External Storage** page in the web UI for mounting and interacting with external storage devices. These settings can also be configured under the **System → Storage** configuration settings [DAL-6683 & 6686]

1. Removed **system storage** Admin CLI commands. These actions for mounting and interacting with external storage devices are now controlled through the **System → External Storage** page in the web UI, or under the **System → Storage configuration** settings
2. New **System → Log → Event categories → External Storage** system event log for notifying when a device's external storage exceeds a specified percentage used (configurable with the Percent used setting for the external storage device) [DAL-6687]
3. Add option under **VPN → IP Tunnels → Mode** for supporting mGRE tunnels [DAL-6709]
4. Added option under Network → Advanced settings to allow ICMP redirect messages (disabled by default) [DAL-6013]
5. Disable automatic modem/device firmware update options if using DigiRM [DAL-5738]
6. Added new **Signal strength query interval** setting under the **Network → Modems** configuration options to control how often the cellular modem is polled for signal strength and other network status updates (default is once every 5 seconds) [DAL-6272]
7. Display the LTE Cat-M or NB-IoT network type in the Admin CLI, local web UI, and Digi Remote Manager metrics for devices with ME910c1-WW modems [DAL-6155]
8. New **tail** and **grep** Admin CLI commands
9. Send container datapoints to DigiRM with the configured container name instead of container index number [DAL-6551]
10. Update wording of help text for the **Authentication → Methods** options in the device configuration settings to provide clarification on the mode of operation between authoritative versus non-authoritative options [DAL-6928]
11. Add modem scan timeout option to **Scan** window on the **Status → Modems** page in the web UI [DAL-6938]
12. Update error message in the web UI when restoring a configuration backup if the web connection is lost before a response is received [DAL-6553]
13. Added new **Data logging** options under **Serial** configuration settings to have any data sent/received on the serial port logged to the system logs in addition to whatever mode the serial port is in [DAL-6719]
 1. Remove options in the local web UI and Admin CLI for manually starting/stopping/clearing serial logs. These actions are now controlled under the **Data logging** configuration settings

BUG FIXES

1. Fixed occasional issue where containers could not start due to a permissions issue [DAL-7041]
2. Fixed intermittent issue preventing configuration restores from the Admin CLI due to the output of the **show config cli_format** command presenting configuration settings in the wrong order [DAL-6435]
3. Fixed issue in digidevice.sms python library where it couldn't process MMS messages [DAL-6952]
4. fix output of iperf speedtests in the Admin CLI [DAL-7001]
5. Disable GPS reading on ME910c1-WW modems to prevent CPU utilization spike from ModemManager [DAL-6575]
6. Fixed intermittent issue with SIM failover on devices with Telit LM940 modems [DAL-6569]
7. Fixed intermittent issue preventing modem firmware updates if no SIM card was inserted into the active SIM slot [DAL-6309]
8. Fixed issue resulting in slow upload speeds for clients connected to a Wi-Fi hotspot [DAL-6674]
9. Fixed intermittent issue in IPsec strict routing mode where a default route change could

- result in packets not going through the IPsec tunnel [DAL-6518]
10. Fixed intermittent issue where a device configured as a L2TP LAC would sometimes drop its tunnel and not automatically reconnect [DAL-5415]
 11. Fixed intermittent issue where a device configured as a L2TP server would sometimes drop packets from L2TP client tunnels [DAL-6696]
 12. Fixed issue preventing L2TP tunnels from running if they were configured with a name longer than 12 characters [DAL-6718]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a CVSS score of **9.8 Critical**

1. update Linux kernel to version 5.19 [DAL-6558]
2. update shellinabox to version 2.21 [DAL-5430]
3. update systemd to version 245 [DAL-5421]
4. Prevent escalated filesystem access through DigiRM [DAL-6784]
5. update OpenSSL to version 1.1.1s [DAL-6991]
6. update jquery to version 3.6.1 and jquery-ui to version 1.13.2 [DAL-5686]
7. update default OpenVPN server cipher from AES-256-CBC to AES-256-GCM [DAL-5737]

VERSION 22.8.33.50 (August 26, 2022)

This is a **mandatory** release

Firmware	sha512sum	md5sum
ConnectEZ1-22.8.33.50.bin	a619fa418fbe70626c246f55ff579ee4fcf5fe7b9011dd3a5bf776ac01cadf849c86d4c48b1fde0c800dc2ded39ff9c0bfd0dd0dcb36a0588f57c22f6e8230ba	75d269dd5d039673908134fc4871885b
ConnectEZ2-22.8.33.50.bin	fd61703ef7d05917f04871526135159ccfa2bd7de0e997ec73b68ef8a09b1663b0e2c7c1083c46acb5e592dcc557e016e045b2247d02722e375e517670f5e401	bd5826aa433441366c4c8231d2860231
ConnectEZ4-22.8.33.50.bin	7900594e2b1f2ce1212bd3ae5cd823ba6af25dd644917713423a7444ba41780ac6d9aed9fe712ea48fc17d33f23393edba8a713f97b585d0345c8fa53077e6f5	649ae99a1a5c5ffb0284ee233c964bc4

FEATURES

1. Added configuration options for running a PPPoE server in IP passthrough mode [DALP-1045]

ENHANCEMENTS

1. Update firmware OTA downloads to utilize the Digi Remote Manager firmware repository (firmware.devicecloud.com) [DALP-606]
2. Always display **Central management** → **Firmware server** configuration setting regardless of which central management service is selected [DAL-5719]
3. Always display **Central management** → **Speedtest server** configuration setting regardless of which central management service is selected [DAL-6527]
4. New **modem firmware ota download** Admin CLI command for downloading cellular modem firmware from the Digi firmware repository [DAL-6541]

5. Add ability to specify DFS channels under **Network → Wi-Fi → Client mode connections** for background scanning when **DFS client support** is enabled [DALP-1004]
6. Add cellular carrier name and **PLMN ID to Status → Modems** page in the web UI [DAL-6554]
7. Mark Containers as a premium feature enabled via Digi Remote Manager [DALP-1038]
8. Support the ability to start/stop containers via RCI commands from Digi Remote Manager [DAL-6468]
9. Added new metrics for sending container status, name, CPU load, and disk usage as datapoints to DigiRM [DAL-6404]
10. New **show eth** Admin CLI command to show the link status of each Ethernet port [DAL-6126]
11. New **poweroff** CLI command to perform a graceful shutdown of the device without automatically rebooting [DALP-982]
12. Added new **Strict routing** setting to IPsec tunnels that, if enabled, will only route packets through the tunnel if both the source IP and destination IP match the IPsec tunnel's policies instead of NAT-ing traffic that only matches the remote network policy [DAL-5317]
13. Added new MS-CHAPv2 option under **L2TP → L2TP network servers → Authentication method** to support clients that require MS-CHAPv2 for authentication to a L2TP/IPsec server [DAL-6327]
14. Store kernel crashes and debug logs across reboots and automatically add them to the system logs in /var/log/ [DAL-6496]
15. Include AT#FWSWITCH output in support reports [DAL-6580]
16. Added **network.modem.modem.gea1_cipher** debug config setting that can be can enable GEA1 cipher and speed up initial connectivity and SIM failover on Quectel modems [DAL-5258]
17. Automatically refresh the **System → Firmware Update** page in the web UI after a user clicks the Duplicate Firmware button [DAL-4750]

BUG FIXES

All bug fixes listed below affect firmware versions 22.5.50.62 or older unless specified otherwise

1. Added new **Network → Routes → Routing services → BGP → Networks** section for defining specific IP networks to advertise to BGP peers [DAL-6368]
2. Fixed issue where manual carrier selection through the web UI, configuration settings, or Admin CLI would fail to connect if the SIM required a APN username/password with CHAP authentication [DAL-6552]
3. Fixed L2TP setups so it only adds a default route for the tunnel if the defaultroute custom PPP setting is specified [DAL-6328]
4. Add **timeout** option to **modem scan** Admin CLI command to allow users to specify a longer scan period for SIMs that can roam to a larger number of nearby carriers
5. Fixed buffer limitation of 1024 characters when copy/pasting text into the Admin CLI [DAL-6445]
6. Fixed issue where kernel-level system logs were logged with UTC timestamps regardless of the locally-configured timezone [DAL-6408]
7. Fixed issue with sending UCS-2 formatted SMS messages with UTF-16 characters [DAL-6318]
8. Fixed issue preventing the Digi device from connecting to Digi Remote Manager over a HTTP proxy through an IPsec tunnel [DAL-6430]
9. Fixed permission issue with starting containers added via Digi Remote Manager [DAL-5844]
10. Fixed invalid format of SIM ICCID metric sent to Digi Remote Manager [DAL-6394]
11. Fixed issue where Wi-Fi client would not reconnect if the config settings were disabled and

then re-enabled [DAL-6592]

12. Fixed issue where the **Reset modem** Surelink option would prevent the **SIM failover** Surelink option from taken affect if both Surelink settings were enabled (affects firmware versions 22.2.x through 22.5.x) [DAL-6343]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a CVSS score of **9.8 Critical**

1. Update OpenSSL to version 3.0.5 and 1.1.1q (CVE 2022-2274, CVE-2022-2068)
2. Update Linux kernel to version 5.18

VERSION 22.5.50.62 (June 14, 2022)

This is a **mandatory** release

Firmware	sha512sum	md5sum
ConnectEZ1-22.5.50.62.bin	d3b02d2e79a9954c077e1784e2c4a2afc44f633cfeeb59f0395f2dc95391805fca28ab315ef52d1b607c415e2a68942de7adde769ec8e5ac7ed5d33b39d24c82	b2cbc7a102093f5c6afbd46f2c99e4ca
ConnectEZ2-22.5.50.62.bin	e38f89c31a24ba6fc5a30a23086d263f65d3f8834e1e1615fa0461940c6866e22970a845f2260b4bbdf4f5644bbf3bffb436fc276e3455e8c80a97d3094deca7	03f89aa30242c95b6e45b175fff7f166
ConnectEZ4-22.5.50.62.bin	1bf52e4b1c6633b12dba19de2c545326ba588219bbaf99aa6ed4ddfca4b438ccd954bf9e936098306234f917f930056dcfb13e9e97794c93fab7d0e6ec4c537	270b746722aa2a552f8f1aa4801b277b

FEATURES

1. Serial PPP dial-in mode for handling AT-based connection requests from a device connected to a serial port and providing IPv4 networking to the device [DALP-880]
2. New **Network → SCEP Client** settings and underlying functionality to support connecting to additional SCEP servers, including Fortinet FortiAuthenticator, DigiCert, EJBCA, and Windows server [DALP-1007, DALP-1022]
3. New **show scep** Admin CLI command for showing the sync status, expiration dates, and additional details of any configured SCEP clients [DAL-6069]
4. Support for enabling add-on features from Digi Remote Manager [DALP-673]

ENHANCEMENTS

1. Remove time.accns.com from default list of NTP servers unless **Central management → Service** is set to **aView** at the time of updating firmware from version 22.2.9.85 or older [DAL-5543]
2. Added new **system.log.persistent_path** configuration setting to specify where system logs are stored locally, which could be on the device or to an external storage (e.g. USB flash drive, SD card, etc) [DALP-946]
3. New **Services → Location → Destination servers → Behavior when fix is invalid setting** to control the NMEA message content sent when there is no valid fix from any of the configured location sources [DAL-5984]
4. Improved the message shown on the **System → Configuration maintenance** page of the web UI if an error is encountered when restoring from a backup config file [DAL-6141]

5. Include the hostname of the device in the client .ovpn file listed on the **Status → OpenVPN → Servers** page in the web UI [DAL-6157]
6. Add support for the CP210X serial driver for connecting to Cisco USB console ports [DAL-6119]
7. Filter out non-Internet type APNs from our APN fallback list [DAL-6227]
8. Automatically power cycle the cellular modem in the event that a *modem reset* Surelink action fails [DAL-6268]
9. Enable Surelink *reset_modem* action by default on cellular interfaces and set fail count to 3 [DAL-6275]
10. Add cellular APN and cellular connection duration as datapoints sent to DigiRM [DAL-5902]
11. Ensure modem is in enabled state before attempting to connect [DAL-6163]
12. Omit non-production modem firmware from the OTA query results in the **Status → Modems** page of the web UI [DAL-6301]

BUG FIXES

The below bugs are all present on firmware versions 22.2.9.85 and older unless otherwise specified

1. Fixed issue preventing Connect EZ 8 devices from being setup using the Digi Navigator tool [DAL-6117]
2. Fixed issue preventing Telit LE910 family of modems from registering after changing APNs without a reboot [DAL-5971, DAL-6016, DAL-5203]
3. Fixed issue preventing connectivity with fast.t-mobile.com T-Mobile SIMs when used with a Quectel modem. Use PDP context 1 for connections on Quectel modems with T-Mobile SIMs [DAL-6401, DAL-5930]
4. Fixed issue where modem-based Location source would sometimes not report properly due to an initialization timing error with the modem [DAL-6163]
5. Fixed issue where an IPsec tunnel fails to re-establish the tunnel if SAs are deleted after phase 1 re-authentication [DAL-4959]
6. Fixed issue where the connection to Digi Remote Manager would delay up to 15 minutes before refreshing to use the active main Internet connection in the event of a network failover or fallback [DAL-6164]
7. Fixed issue where **OpenVPN → Advanced options → OpenVPN parameters** text box was limited to 64 characters when synced with Digi Remote Manager. The new limit is now 64,000 characters [DAL-6002]
8. Fixed issue preventing OpenVPN server from authenticating clients with an external LDAP/TACACS+/RADIUS server [DAL-6159]
9. Fixed broken **Go to Digi Remote Manager** link in the local web UI [DAL-6088]
10. Fixed issue preventing LDAP external authentication for SSH and Telnet session [DAL-6098]
11. Fixed typo in description of *container delete* CLI command [DAL-5956]
12. Fixed output of *show containers* Admin CLI command to list all containers on the filesystem, not just those linked to configuration settings [DAL-5958]
13. Fixed issue where the *show location* output in the Admin CLI could include an incorrect timestamp if the configured location server(s) had a non-UTC timezone set
14. Fixed issue preventing **Network → Interfaces → MAC address allowlist** from implicitly denying access to devices not in the allowlist [DAL-6001]
15. Fixed **Invalid lookup path for : network.interface** error when running `cfg.get("network.interface")` in the digidevice.config python module [DAL-6005]
16. Fixed issue where TAIP messages would have the incorrect timestamp if the timezones between the device and server were different [DAL-6335]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a CVSS score of **9.8 Critical**

1. Update to OpenSSL 1.1.1o (CVE-2022-0778, CVE-2022-1292) [DAL-6035]
2. Update to linux kernel 5.17 [DAL-6081]
3. Patch for “dirty pipe” vulnerability in Linux kernel (CVE-2022-0847) [DAL-5981]
4. Update gcc to version 11.2 and binutils to version 2.37 (CVE-2019-15847, CWE-331, CVE-2018-12886, CWE-209, CVE-2002-2439, CWE-190) [DAL-5444]
5. Update openvpn to version 2.5.6 (CVE 2022-054) [DAL-6229]

VERSION 22.2.9.85 (March 3, 2022)

This is a **mandatory** release

Firmware	sha512sum	md5sum
ConnectEZ1-22.2.9.85.bin	9dd7241813f855270a53b0798609a20fbefc24f9092efc81b0fc36427add488bc2498a069ecb28a1b688882c716bbe2b81c7d438cc479933c56347442f769cd5	a613480a1c66d12ecb103bb6941b5f4a
ConnectEZ2-22.2.9.85.bin	756f0a53e77e18a2cce24685a822bd56e9fbf956c3d7bd88d4052c4f501fb92201059b505681c13b1f73062cd343e991a9a196bae5421c9ca9a645b51f9a1a94	9c629a6f06b85a50385de06d34cc240e
ConnectEZ4-22.2.9.85.bin	b2c3e6dee453ef17072d65982d3a18c9b72b0b9d4ff112046ff6a0499e7b6ef4f0c3bcf90962ab8e6f0a61e335b510422eaf2edb420fa019155a22bb11975585	67e282adccfef72fb68c666bda690769

FEATURES

1. Added new option under **System → Time → NTP → Use GNSS module** to enable the device to use its internal GNSS module as a date/time sync source [DAL-5760]

ENHANCEMENTS

1. Update default Digi Remote Manager URL to edp12.devicecloud.com [DALP-972]
 1. In firmware versions 22.2.9.85 and newer, the default central management server changes from **my.devicecloud.com** to **edp12.devicecloud.com**. This change enables more secure connection negotiation and enables support for device certificates. If your device connections are managed by a firewall, or your devices do not have direct access to public DNS servers, you may be required to make firewall changes to open connectivity to edp12.devicecloud.com, or to enable DNS. See <https://www.digi.com/support/knowledge-base/firewall-concerns-for-outbound-edp-connections-to> for more information about device connectivity to Digi Remote manager.
2. Increased web UI upload limit to 512MB [DAL-5694]
3. Added new **Surelink Switch SIM** and **Switch SIM fail count** options to specify how many times the Surelink test must run and fail on a cellular modem before the device switches to the alternate SIM slot [DAL-5717]
4. Support for standard SCEP servers [DALP-821]
 1. Previously the SCEP client only supported syncing with Fortigate SCEP servers. Two

new settings were added under the **Network → SCEP Client** options to control the CA identity and HTTP path to the CA

5. Renamed **VPN → IPsec → Tunnels → Policies → Local network** setting to **Local traffic selector** along with a new **Dynamic** option which allows users to configure a local network by protocol and/or port instead of a network address range [DAL-5645]
6. Added new **VPN → IPsec → Advanced → Debug level** option to specify the logging verbosity of IPsec messages in the device system logs (default is debug logging is disabled) [DAL-5720]
7. Added new **Serial → Autoconnect → Socket ID string** option to send the configured text to the remote server(s) when a TCP socket connection is opened to the serial port [DAL-5700]
8. **1002-CM06/1003-CM07**: Utilize T-Mobile carrier firmware if available for the cellular modem when using Sprint Curiosity SIMs [DAL-5466]
9. New cat Admin CLI command for displaying file contents [DAL-5853]
10. Update `/etc/config/scep_client/` directory to be read/write by admin users
11. Add ability for policy-based routes to override routing of packets through VPN tunnels, useful in the case where you only want packets from a certain source network to go through the tunnel [DAL-5317]

BUG FIXES

The below bugs are all present on firmware versions 21.11.60.63 and older unless otherwise specified

1. Fixed HFSC class hierarchy setup for QoS policies to limit bandwidth used for shared links [DAL-5814]
2. Fixed issue preventing scheduled maintenance window from updating the `maintenance_window` datapoint in Digi Remote Manager if the maintenance window start time was between 00:00-00:59 [DAL-5765]
3. Fixed bug preventing MMS SMS messages from being received and parsed properly, preventing large out-of-band config changes from being received from central management portals [DAL-5538]
4. Fixed issue preventing transport-mode IPsec tunnels from initializing properly [DAL-5718]
5. Fixed issue where only the first policy would be setup on IKEv2 IPsec tunnels [DAL-5347]
6. Fixed issue preventing port forwarding firewall setups if the **Destination port(s)** setting was left blank [DAL-5860]
7. Fixed intermittent issue where the **show dhcp-leases** CLI output would sometimes not include all leases [DAL-5688]
8. Fixed system log errors when performing TACACS command authorization without having a TACACS server configured [DAL-5512]
9. Fixed interruption of active serial port connections when a user changes the serial port mode in the Digi device's configuration settings [DAL-5698]
10. Fixed issue where Surelink tests aren't reloaded if a user updates the network bridge or Wi-Fi configuration settings on the device [DAL-5406]
11. Prevent modbus setup issue by not allowing users to configure the device to use reserved address ranges [DAL-5905]
12. Fixed intermittent race condition in Surelink that could lead to a delay in setting up a WAN connection [DAL-5934]
13. Fixed issue with `digidevice.sms` python module processing empty SMS messages [DAL-5883]
14. Fixed issue preventing remote file system access to the `/opt/` directory through Digi Remote Manager [DAL-5659]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a Critical CVSS score of **10 Critical**

1. Update python to version 3.10 [DAL-5499]
2. Update openssh to version 8.8p1 (CVE-2021-28041, CVE-2020-14145) [DAL-5451]
 1. This deprecates support for RSA signatures using the SHA-1 hash algorithm by default, which may prevent old machines from SSH-ing to the Digi device. Please ensure your SSH tool (TeraTerm, PuTTY, etc) is up to date. If you need to re-enable SHA-1 hash support, you can do so by adding the following lines to the **Service → SSH → Custom configuration → Configuration file** text box in the Digi device’s configuration settings:
 1. HostkeyAlgorithms +ssh-rsa
 2. PubkeyAcceptedAlgorithms +ssh-rsa
3. Update dnsmasq to version 2.86 (CVE-2021-3448) [DAL-5331]
 1. Fix problem with DNS retries in 2.83/2.84
 2. Fix a problem, introduced in 2.83, which could see DNS replies being sent via the wrong socket. On machines running both IPv4 and IPv6 this could result in sporadic messages of the form "failed to send packet: Network is unreachable" and the lost of the query
4. Update to Linux kernel version 5.15 [DAL-5546]
5. Add new **Service → Web administration → Minimum TLS version** configuration setting to allow users to specify which TLS versions are allowed in the local web UI (default minimum is TLS 1.2) [DAL-5408]
6. Update busybox to version 1.34.0 [DAL-5631]
 1. CVE-2021-4237, CVE-2021-42374, CVE-2021-42375, CVE-2021-42376, CVE-2021-42377, CVE-2021-42378, CVE-2021-42379, CVE-2021-42380, CVE-2021-42381, CVE-2021-42382, CVE-2021-42383, CVE-2021-42384, CVE-2021-42385, CVE-2021-42386
7. Update dbus to version 1.13.20 [DAL-5459]
 1. CVE-2020-12049, CVE-2019-12749
8. Update grub to version 2.06 [CVE-2021-3418] (DAL-5456)
9. Update bzip2 to version 1.0.8 (CVE-2019-12900, CVE-2011-4089, CVE-2010-0405) [DAL-5446]
10. Update procps to version 3.3.15 [DAL-5433]
 1. CVE-2018-1124, CVE-2018-1123, CVE-2018-1126, CVE-2018-1125
11. Hardened openssl build to include secure compilation flags
12. Update sqlite to version 3.37.2 [DAL-5669]

VERSION 21.11.60.65 (January 14, 2022)

This is a **recommended** release

Firmware	sha512sum	md5sum
ConnectEZ1-21.11.60.63.bin	77e3498b9eae2b45c5d2e81d4aa7a60e41d4dd5f1392bbe823475ca09c51f0d854dbaac205b2a23796d9d3ad63a7ab2aa6747158131efb9bb07b84318517ab37	3a2bb459e216f723e389d00c657ff7c5
ConnectEZ2-21.11.60.63.bin	29f2983b2e4225b121c95331758231bb70749c2536be41376cf8b4110771ce9a28d8cf3a005d3f746c05dc6a53ec28aaada037ba63e05349ab8fb274c41b421a	d1a3cde5302237a47d95550d1d503b0c

ConnectEZ4-21.11.60.63.bin	a213a8a1fde092e2ce842c662adfdf922fc4f683a5e8ce152654a76c923226a20e9cd96fb30401f04f22b7c3dec29927b41b96b749e67c91380fb1a26a89c9f	4829ce82228e0813e64840454fc1f8e1
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BUG FIXES

1. Fixed bug where only the first policy would be applied if an IPsec IKEv2 tunnel was configured with multiple remote networks (bug present on firmware version 21.11.60.63 through 21.1.39.67) [DAL-5347]
2. Fixed bug preventing access to the local web UI and connectivity to Digi Remote Manager if the ConnectEZ was reset back to default settings (bug present on firmware version 21.11.60.63) [DAL-5739]

VERSION 21.11.60.63 (December 8, 2021)

This is a **mandatory** release

Firmware	sha512sum	md5sum
ConnectEZ1-21.11.60.63.bin	fedd384edbf3700017b6b5b628c43d11c4193c4f3fbcc3b39a234bda0b9613c5a58f2ee5efcde073ca0de19c9a4d3249c77375f2f345290290006587899dd66	0dc75be78f62820c70999d6f19bca169
ConnectEZ2-21.11.60.63.bin	09ffbc1826572a5dac45c85f3fba67e69c6daec9056d6c4d8b88b1af680cdfaab5636fdb084bfa3d5b065c496cdb7963983d0df77fc8f42b4f153e36957c6240	371425816d304d226822ab986360acc8
ConnectEZ4-21.11.60.63.bin	40e9c3f3a40108e2df8c9d30972c0be263286855258d2ddd1a71d6d0a00dcf610d15f4c142c7443e9e21a14743ffa49903cf08ca92a1e71b6f9590987ef2ec67	65917cda49e97eb2f9b32e5e0de6cd03

FEATURES

1. New **System maintenance → Device firmware update** config option to allow the device to automatically update to new firmware when available (disabled by default) [DALP-630]
2. TACACS+ accounting and authorization for Admin CLI interactions [DALP-633]
 1. Includes two new configuration settings under the **Authentication → TACACS+** configuration settings for enabling TACACS command account and/or authorization
3. Add new **Authentication → Users → Username alias** option for providing an alternate username that can accommodate characters not typically allowed in a username [DALP-705]
4. PKI certificate-based authentication for WPA2/WPA3 Enterprise Wi-Fi client connections, including options for user-provided certificates or SCEP client integration for automatic certificate generation [DALP-828 & DALP-794]

ENHANCEMENTS

1. Improved Wi-Fi scanning tool on the **Status → Wi-Fi → Management** page in the web UI to automatically setup the underlying basic client-mode settings so the device can scan for nearby APs without requiring the user to first configure the client-mode settings [DALP-802]
2. New **show surelink** Admin CLI command for displaying details on the Surelink test(s) configured for a network interface or VPN tunnel [DALP-621]
3. Add new option under **Location → Destinations** for specifying the talker ID used in NMEA message strings [DAL-5038]
4. **1002-CMM1 CORE modems:** Use CID context 3 for any type of Verizon SIM when used with a

- ME910c1-WW modem [DAL-5428]
5. Include the mode indicator field in NMEA messages constructed when a GPS fix isn't obtained [DAL-5464]
 6. Add support for auto-completing a parameter or AT command provided to the **xbee set|get|execute** Admin CLI commands [DAL-5196]
 7. Change default IPsec IKE DH group to 14 for enhanced compatibility with industry standard settings [DAL-5344]
 8. Disable serial history in remote access mode by default [DAL-5494]
 9. Add new settings under cellular Surelink options to have the device reset the cellular modem if a specified number of Surelink tests fail [DAL-5441 & DAL-5485]
 10. Add **datapro** APN to fallback list to be utilized with Airmob SIM cards [DAL-5548]
 11. New **show containers** Admin CLI command for listing details about configured containers [DAL-5380]
 12. Include SIM ICCID and phone number in the query_state response sent to Digi Remote Manager [DAL-5632]
 13. Specify string encoding as UTF-8 in communication with DigiRM for compatibility with extended character sets [DAL-5505]

BUG FIXES

The below bugs are all present on firmware versions 21.8.24.139 and older unless otherwise specified

1. Fixed issue preventing IPsec tunnels from being setup in Transport mode [DAL-5490]
2. *1002-CM04/1002-CME4 CORE modems*: Fixed issue where cellular modem firmware updates would not be applied to Telit LE910-family of modules unless the firmware file included a carrier name in the filename [DAL-5616]
3. *1003-CM07 CORE modem*: Fixed issue preventing multi-carrier firmware updates on Sierra EM7411 modems [DAL-5473]
4. Fixed issue preventing **on boot** SIM preference schedule from taking effect (bug present on firmware versions 21.8.x and 21.5.x) [DAL-5547]
5. Fixed issue preventing internal firewall from functioning properly if a port forwarding rule was configured with the protocol type set to **other** (bug present on 21.8.x firmware) [DAL-5501]
6. Fixed issue preventing IPsec tunnels from being setup properly if the tunnel name was longer than 9 characters [DAL-5139]
7. Fixed formatting of cellular-related health metrics so they can be properly displayed under the *Settings* → *Status* → *Cellular* section in Digi Remote Manager [DALP-768]
8. Fixed error in system log when attempting to parse an empty config file [DAL-5402]
9. Fixed issue causing potential multi-minute delays in the *show modem name XX* Admin CLI command [DAL-5297]
10. Fixed issue where Surelink ping tests would utilize the same source IP address if coming from different network interfaces assigned to the same physical device/port [DAL-5478]
11. Fixed issue where Surelink **reboot** action would not be taken if the Surelink **restart interface** action was also enabled [DAL-5485]
12. Fixed issue preventing the creation of config elements with dynamic array names via the local web API [DAL-5481]
13. Fixed issue preventing installation of sqlite3 python package via pip [DAL-5611]
14. Fixed issue preventing multiple config changes from being applied in a python script using the digidevice.config module [DAL-5192]

SECURITY FIXES

The highest level vulnerability that has been fixed in this release is listed as a Critical CVSS score of **9.8 Critical**

1. Update to python version 3.6.15 [DAL-3190]
2. Update stunnel to version 5.60 [DAL-5291]
3. Update busybox to version 1.33.1 [DAL-5290]
4. Update to Linux kernel version 5.14 [DAL-5360]
5. Update OpenSSL to version 1.1.1l [DAL-5242]
6. Fixed issue where the TACACS shared secret was included in the system logs [DAL-5470]
7. Update libunbound to version 1.13.2 [DAL-5420]
8. Update libidn2 to version 2.3.2 [DAL-5439]
9. Update muslv to version 1.2.2 [DAL-5452]
10. Update rsync to version 3.2.3 [DAL-5431]
11. Update OpenVPN to version 2.5.4 [DAL-5435]

VERSION 21.8.24.139 (November 12, 2021)

This is a **mandatory** release

Connect EZ Mini

SHA-1: 069160b3c5d47ebfbbbb964da96b87c820ea491c

SHA-512:

f9d044c2393f6b8c99deea2e7cb141f45fc4f94c59ff144370cdea60a14ab8e72e8de972d6
a109001ae1a8ffcde703895a4456115513ef7981f4eb5c7fdfa9f4

Connect EZ 2

SHA-1: 408f3b1e3209bcf0cf2992470c7d69737b6b99d1

SHA-512:

432bf292165f635fbb38e08a90e7c1a56b6a48a0738c86285e4318ee5bee4ad1e0e7ba13
c9da022e618bf08fd5001f7a195610a1bfb182ab878a8b89197443d

Connect EZ 4 / Connect EZ 4i

SHA-1: 9434c8e2efe91d71c214c8eb5347ce730260213f

SHA-512:

264ddb85165f712be099fc0b4f3561ba00f1088a925d8298f143389095461a342c03e2d7e
a80f14556ab8eb27804760d7d9c0a772d8920f1703f3e36255f557a

FEATURES

1. LXC container support for running localized containers on the device [DALP-243]
 1. New **System → Containers** configuration settings for provisioning containers, providing virtual networking, and serial port access from the container
 2. **lxc** commands available in the shell console for managing/accessing/monitoring containers on the device
 3. Containers are based off the host DAL device's system. Packages installed to the container must be built for the CPU architecture designed

2. L2TPv3 static/unmanaged VPN tunneling [DAL-5137]
 1. VPN -> L2TPv3 ethernet configuration setting
 2. New Status -> VPN -> L2TPv3 Ethernet web UI page
3. 802.1x port-based network access control, configurable per network interface [DAL-5080]
4. New **Services** → **SSH** → **Custom configuration** settings for overriding or editing the SSH server options
5. New **Monitoring** → **Device event logs** options for sending local device event logs to Digi Remote Manager [DALP-808]
 1. Event logs are controlled under the **System** → **Log** → **Event categories** configuration settings
6. New **VPN** → **IPsec** → **Tunnels** → **IKE** → **IKE fragmentation** option to enable, disable, or force IPsec IKE fragmentation [DAL-4933]
7. New **MAC address allowlist/denylist** options to allow/deny packets based off of a range of source MAC addresses [DALP-799]
8. New **system time** CLI command for manually setting the local date and time [DALP-520]
9. New **monitoring metrics upload** CLI command for sending on-demand health metrics to Digi Remote Manager [DALP-727]
10. New **system script start** CLI command and **Status** → **Scripts** page in the web UI for manually starting custom scripts configured under the **System** → **Scheduled tasks** → **Custom scripts** settings with a **Run mode** of **manual** [DALP-741]
11. New **system find-me on|off** CLI command and **Status** → **Find Me** button in the web UI for flashing cellular-related LEDs to help locate the device onsite [DAL-5142]
12. New **Network** → **Bridge** → **switchport** bridge type configuration settings for enhanced VLAN capabilities [DAL-5220]
 1. trunked vs untrunked ports
 2. virtual switch setups
 3. VLAN layer 2 networking

ENHANCEMENTS

1. Added new **show l2tpeth** CLI command for viewing the status of any configured L2TPv3 tunnels [DAL-5220]
2. Update python pip to version 21.2.4 [DAL-5068]
3. Shortened fallback APN list by removing wildcard entries [DAL-5012]
4. 3G sunset support for EU carriers [DAL-5041]
5. Update messaging included in keepalive packets sent to Digi Remote Manager to prevent multi-second delays in keepalive responses [DALP-832]
6. Add **datapoint.upload_multiple** function to digidevice python module for uploading multiple datapoints to DigiRM at once [DALP-857]
7. Add **uptime** field to **show cloud** CLI output to indicate how long the device has been connected to Digi Remote Manager [DAL-1083]
8. Update **system support-report** CLI command to automatically store the support report in `/var/log/` unless a path is specified [DAL-5027]
9. **system support-report** CLI command outputs helpful information for SCP-ing the file from the device to a remote destination [DAL-5027]
10. New **clear dhcp-lease** CLI command for removing all dynamic DHCP leases or certain DHCP leases based on MAC address or IP address [DAL-5127]
11. New **speedtest** CLI command for performing on-demand iPerf or nuttcp speedtests [DAL-5040]

12. Require local users to be assigned to a group [DAL-5060]
13. Add support for configuring multiple destination networks/interfaces for Multicast routes [DALP-853]
14. New **Network → Advanced → Sequential DHCP address allocation** configuration setting for controlling if DHCP addresses are assigned sequentially or randomly (disabled by default) [DAL-5136]
15. Persistent local date/time across reboots once a successful NTP sync occurs [DALP-806]
16. New **System → Scheduled tasks → System maintenance → Maintenance window trigger** configuration settings for controlling when/if a device tells Digi Remote Manager it is in a maintenance window and if updates should be pushed to the device [DAL-5010]
Available maintenance window triggers are:
 1. Specified network interface is up
 2. Python API call
 3. Specific time window in the day
17. Read/write control to the /opt/ and /etc/config/analyzer/ directories through DigiRM and the local web UI [DAL-5117]
18. New options for setting up a custom default config file [DAL-4978]
 1. **system backup** CLI commands for generating a custom default config file based on the active config settings on the device
 2. **System → File System** page in the web UI for loading a configuration backup file as the custom default config
 3. **Files → Persistent files** folder accessible through Digi Remote Manager where users can upload a config backup, naming it custom-default-config.bin
19. Add option to clear a custom default config by performing a double erase sequence [DAL-5017]
20. Updated CLI login helptext to include common tool-tips [DAL-5157]
21. Replace the cellular modem manufacturer name with the CORE modem model name in the CLI/webUI/metrics details [DAL-5171]
22. Ensure scheduled reboots with the **reboot_managed** command cause graceful shutdown of services on the device before rebooting [DAL-5150]

BUG FIXES

The below bugs are all present on firmware versions 21.5.56.108 and older unless otherwise specified

1. Fixed issue where Digi Remote Manager would remediate a DAL device every time it's scanned due to the local user passwords being hashed [DALP-834]
2. Fixed issue where the **system restore** CLI command could default the device if the config backup file was store in the /etc/config/ directory [DAL-5116]
3. Fixed the local web API to allow values with spaces [DAL-5039]
4. Fixed the local web API to allow array configuration settings [DAL-4895]
5. Fixed mdns service where it would occasionally crash [DAL-4663]
6. Fixed issue preventing **modem pin status** from returning valid results [DAL-5056]
7. Fixed bug with installing certain python modules using pip [DAL-5068]
8. Set default user-base directory to /etc/config/scripts/ so python pip can install module dependencies to a writeable location when pip install --user <module_name> is invoked [DAL-5068]
9. Prevent serial connection crashes when a incoming serial socket connection is sending so much data that the buffer fills up the system memory

SECURITY FIXES

1. Add STS header in HTTPS web UI [DAL-4991]
2. Update libcurl to version 7.77.0 (CVE-2021-22897, CVE-2021-22898, CVE-2021-22901)
3. Update to linux kernel version 5.12

VERSION 21.2.39.67 (March 1, 2021)

Connect EZ Mini

SHA-1:

748c4f92df2c1ba0c3918ceb792d35229720fd2b

SHA-512:

eedc041aac7d5cf531e14fe3ca71bbd28545484c7b5f7ecddb901dce5c392781a88b97808f87b2044fb968435247ddb74ddc02bb8501ae1c4597bbb6dacd499

Connect EZ 2

SHA-1:

7822e097f4cb3fc44f561c2360995cebbdf93db5

SHA-512:

f805990877e252806f7a4c91eb9c737fc54601d7f71496e56a7602e045b3f21a547d127d7c111a3d772a4021894176c324be1f0b3509054aa11a3b4a05a97570

Connect EZ 4 / Connect EZ 4i

SHA-1:

60571448d09cfac38337df7093390b135a89f649

SHA-512:

08aa6139a139485ef406acf8bcfd82d2f6ca8423b7c97688c437345dc9a499c62b907435d8cd2e0172b3f37be1b2f6ea15f09a772aec6485c463703e05087f9f

This is the initial release of the Connect EZ family of products.

FEATURES

None

ENHANCEMENTS

None

BUG FIXES

None

SECURITY FIXES

None