Digi Connect EZ WS

Click-to-connect | Modern, secure serial server for device connectivity in patient care environments that boots in seconds, configures in minutes and runs for years

Digi Connect® EZ WS enables seamless serial-over-Ethernet connectivity, facilitating the integration of patient device data into hospital EMRs and other downstream systems.

Designed for use in patient care environments, it complies with IEC 60601 3rd Edition* standards (see specifications for details) and features four RS-232 serial ports.

Additionally, the Digi Connect EZ WS provides reliable Ethernet connectivity for serial devices, ensuring secure data transmission to central management systems.

Digi's proven RealPort® technology enables seamless and secure communication between a host computer and networked serial devices by creating a local COM or TTY port.

This allows for reliable data transmission while providing system administrators with advanced control over incoming, outgoing, and Telnet sessions on each port.

Digi simplifies key security requirements for critical infrastructure and distributed systems with enhanced access control, management and configuration capabilities.

Digi Connect EZ WS and built-in **Digi TrustFence®** give your security and operations teams peace of mind against evolving threats with encrypted connections, centralized authentication, VPN support and scalable security updates.

A built-in Python environment enables application development and customization at the device level with event-based programmability, data conversion and full control of device connections.

Key features, benefits and applications

- **Enhanced connectivity**: 4-port serial to network connectivity enable robust M2M data communication across multiple devices efficiently
- **Compliance:** IEC 60601 3rd edition* compliant
- **PoE:** can be powered through an Ethernet cable from a compliant switch or power injector, allowing for flexible placement near connected equipment without additional power sources
- **Functionality:** flexible and secure Digi RealPort technology provides local serial port functionality
- **Security:** RealPort with encryption available for additional security
- **Safety:** complies with safety requirements of 60601 3rd Edition regarding use for device connectivity in proximity to patients
- **Digi Accelerated Linux (DAL)**: ensures a consistent, secure and easy-to-deploy solution that facilitates longevity and manageability across various applications
- Easy setup and mass configuration with **Digi Navigator™** and **Digi Remote Manager®** or **Digi On-Prem Manager**
- 1-year **LifeCycle Assurance** with 24x7 Expert Support and device management, via Digi Remote Manager or Digi On-Prem Manager

Application example

RS-232

Digi Connect® EZ WS

Hospital Ethernet
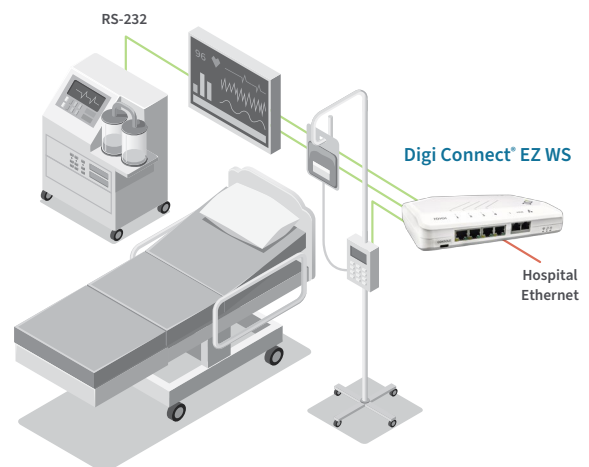
Related Digi devices and software

Digi Connect® EZ Mini/2/4
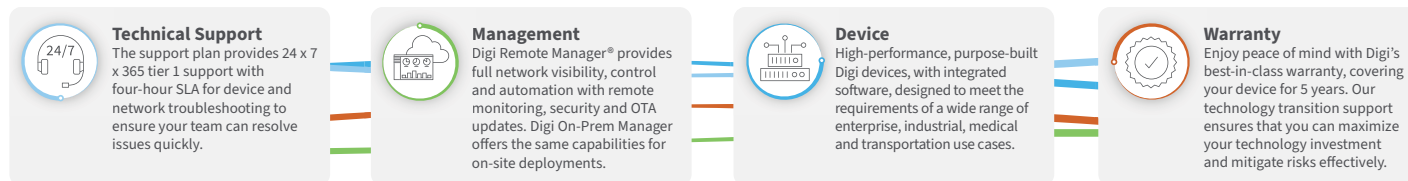
Digi Connect® EZ 16/32

RealPort®

Digi Remote Manager®

Digi LifeCycle Assurance

Digi LifeCycle Assurance provides an enhanced level of service and support on new deployments of Digi AnywhereUSB® Plus, Digi Connect® EZ, and Digi Connect® IT 16/48 to provide security, reliability and speed, as well as ongoing device management.

Technical Support
The support plan provides 24 x 7 x 365 tier 1 support with four-hour SLA for device and network troubleshooting to ensure your team can resolve issues quickly.

Management
Digi Remote Manager® provides full network visibility, control and automation with remote monitoring, security and OTA updates. Digi On-Prem Manager offers the same capabilities for on-site deployments.

Device
High-performance, purpose-built Digi devices, with integrated software, designed to meet the requirements of a wide range of enterprise, industrial, medical and transportation use cases.

Warranty
Enjoy peace of mind with Digi's best-in-class warranty, covering your device for 5 years. Our technology transition support ensures that you can maximize your technology investment and mitigate risks effectively.

Digi Remote Manager and Digi On-Prem Manager

Digi Remote Manager (Digi RM) and Digi On-Prem Manager provide scalable, secure solutions for managing distributed IoT networks — whether in the cloud or on-premises.

Digi RM offers centralized, cloud-based control to deploy, monitor, and troubleshoot thousands of devices from any device — desktop, tablet, or phone — with built-in software-defined security.

Digi On-Prem Manager delivers similar capabilities within private, air-gapped, or regulatory-sensitive environments, keeping all data and management local.

Together, they offer flexible options to manage mission-critical networks — your way.

Learn more at digi.com/digi-remote-manager.

Digi Remote Manager and Digi On-Prem Manager

Flexible, secure IoT network management — in the cloud or on-premises

Core capabilities

- Activate, monitor and troubleshoot your mission-critical devices through a single portal
- Automate firmware updates, file management and configuration tasks across single or multiple devices
- Monitor device health, connectivity and performance across any deployment size
- Create detailed reports and real-time alerts for key metrics (signal quality, latency, data usage, etc.)
- Access edge devices via out-of-band console terminal
- Integrate device data into third-party systems via open APIs

Digi Remote Manager — cloud benefits

- Commercial-grade cloud server environment that 99.9% or greater uptime
- Compliant with SOC 1®, SOC 2® and SOC 3® standards
- Member of the Center for Internet Security® (CIS®)
- Supports ISO27002, HIPAA, NIST and other frameworks
- Earned Skyhigh's CloudTrust™ Enterprise-Ready rating

Digi On-Prem Manager — local control

- All the essential Digi RM features, hosted within your private infrastructure
- Ideal for air-gapped, high-security, or regulatory-sensitive environments
- No data leaves your network — full control and compliance on-premises

DIGI

Digi Navigator

Digi Navigator gives users the ability to discover and configure Digi Connect EZ in minutes. The tool is what makes Digi Connect EZ easy. It allows you to spend your time where it matters most by taking away the hassle of finding devices on a network, configuring the IP address, defining serial ports and connected devices, setting up Digi RealPort and managing passwords.

Digi Navigator Features

– Find and connect to devices on a LAN
– Guide IP address configuration
– Configure Digi Connect EZ for use with Digi RealPort
– Quickly define serial ports and devices associated with ports
– Access the Digi Connect EZ web and command line interface
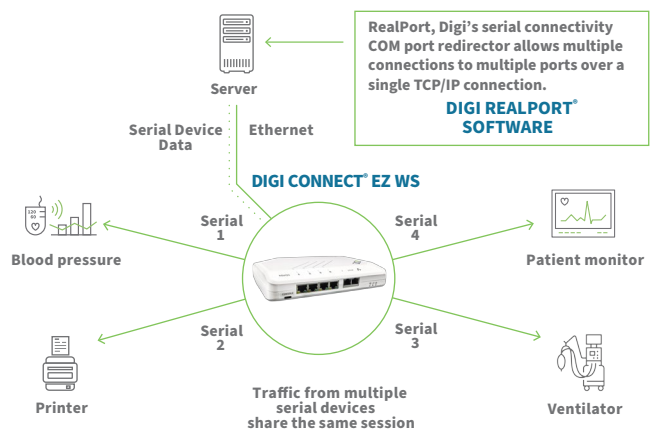– Manage passwords easily

Digi RealPort

Digi's flexible and secure RealPort software provides serial connectivity over IP networks, no matter where the devices reside.

Digi RealPort is unique among COM port redirectors. It is the only implementation that allows multiple connections to multiple ports over a single TCP/IP connection instead of a separate TCP/IP connection for each serial port. This helps manage network traffic and reduce congestion.

Digi RealPort is installed on the application host; whether it be local, remote, physical, virtual or in the cloud. This allows applications to communicate with devices across a network as if the devices were directly attached to the computer, allowing device connectivity from anywhere on your network.

RealPort also provides end-to-end encryption and full hardware flow control, as well as optimizations for packetization, latency and throughput.

RealPort, Digi's serial connectivity COM port redirector allows multiple connections to multiple ports over a single TCP/IP connection.

DIGI REALPORT® SOFTWARE

Server

Serial Device Data / Ethernet

DIGI CONNECT® EZ WS

Serial 1 — Blood pressure
Serial 4 — Patient monitor
Serial 2 — Printer
Serial 3 — Ventilator

Traffic from multiple serial devices share the same session

Digi TrustFence

Digi TrustFence is a device security framework that simplifies the process of securing connected devices.

Built-In Security. Delivered.

Designed for mission-critical applications, Digi TrustFence enables users to easily integrate device security, device identity, and data privacy capabilities into product design. Digi TrustFence security for IoT devices is designed to grow and adapt with new and evolving threats.

Learn more at digi.com/trustfence.

Digi TrustFence Features

Secure Boot

– Programs and code running on the device are validated to be from an approved source or manufacturer.

Protected Hardware Ports

– Internal and external I/O ports are hardened and access-controlled to prevent unwanted local intrusion.

Authentication

– Provides data authentication and device identity management options and ensures that products are not shipped with default user and password settings.

Secure Connections

– These connections utilize the latest encryption protocols for data in motion and over-the-air (OTA) transmissions to ensure the integrity of data flowing across a network.

Ongoing Monitoring and Support

– Provides ongoing threat measurement and monitoring services and performs external security audits.

Specifications	Digi Connect EZ WS	Digi Connect EZ 4 WS
SOFTWARE AND MANAGEMENT		
REMOTE MANAGEMENT	Digi Remote Manager or Digi On-Prem Manager, SNMP v3 (user installed, managed)	✓
LOCAL MANAGEMENT	Digi On-Prem Manager and Digi Navigator discovery and configuration tool, Web UI (HTTP/HTTPS), CLI (Telnet, SSH)	✓
MANAGEMENT / TROUBLESHOOTING TOOLS	Digi Navigator discovery and configuration tool, FTP client, SCP, protocol analyzer with PCAP for Wireshark, event logging with syslog and SMTP client, NTP/SNTP, Nagios, Intelliflow, iPerf, Dynamic DNS, ping, traceroute	✓
MEMORY		256 MB RAM, 4 GB Flash
SECURITY		
AUTHENTICATION	TACACS+, LDAP, Enterprise RADIUS	✓
ETHERNET		
PORTS	RJ-45, 10/100/1000 Mbps (auto-sensing)	2-port
SERIAL SIGNAL CAPABILITIES		
PORTS	RS-232 DTE/RS-422/RS-485 capable, software selectable	(4) RJ45-10
RS-232 / EIA-232 SERIAL MODES	Signal support TXD, RXD, RTS, CTS, DTR, DSR, DCD, RI flow control options: XON/OFF, CTS/RTS, RTS-toggle	✓
CONSOLE		
PORTS	USB (Type C)	1-port
WI-FI		
MODULE	Wi-Fi 6 (802.11a/b/g/n/ac/ax), 1 x 1 SISO dual-band (2.4 GHz / 5 GHz), internal antenna	✓
MODES	Client mode and access point mode simultaneously	✓
CLIENTS	Maximum 10 clients (access point mode: regardless of combination of clients and access points)	✓
ACCESS POINTS	Maximum 2 access points (access point mode: regardless of combination of clients and access points)	✓
SECURITY	WPA-3/WPA-2 personal, WPA/WPA-2 enterprise	✓
PHYSICAL		
DIMENSIONS (L x W x H)		20.9 x 15.75 x 3.91 cm (8.23 x 6.2 x 1.54 in)
PACKAGE DIMENSIONS		25.1 x 23.6 x 5.8 cm (9.9 x 9.3 x 2.3 in)
PACKAGE WEIGHT		1.3 kg (2.87 lb)
STATUS LEDs		System: power, Wi-Fi, Find Me LED; Per port: Ethernet, serial
POWER REQUIREMENTS		
POWER INPUT	100 - 240 VAC (c8 connector)	✓
POWER OVER ETHERNET	802.3af Power over Ethernet (PoE) Class 0 (endpoint)	✓
POWER CONSUMPTION		0.25 A RMS Max, 14 W typical

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Specifications	Digi Connect EZ WS	Digi Connect EZ 4 WS
ENVIRONMENTAL		
OPERATING TEMPERATURE	Standard operating temperature of Connect EZ WS	0 to 50 °C (32 to 122 °F)
STORAGE TEMPERATURE	Standard storage temperature of Connect EZ WS	0 to 70 °C (32 to 158 °F)
RELATIVE HUMIDITY	5% to 95% (non-condensing)	✓
APPROVALS**		
SAFETY	IEC/EN/UL 62368, CSA 22.2, RCM Additionally, Digi Connect EZ WS has been evaluated to IEC 60601-1*	✓
ENVIRONMENTAL	RoHS3	✓
EMISSIONS / IMMUNITY	CE, FCC Part 15 Class A, IC, AS/NZS CISPR 22, EN 55035, EN 55032	✓
WARRANTY		
PRODUCT WARRANTY	5-year for base Connect EZ WS device	
TECHNICAL SUPPORT	1-year LifeCycle Assurance with 24x7 Expert Support included	

*Digi Connect EZ WS has been evaluated and found to comply with the requirements of IEC 60601-1, ensuring ease of integration into systems designed to meet IEC 60601-1 standards. Due to the nature of the Connect EZ WS, it is considered out of scope for IEC 60601-1 certification, however an information test report can be provided to show compliance to the standard upon request.

**Visit digi.com/resources/certifications for latest certifications and updates.

Enterprise Software	Description
NETWORK PROTOCOL SUPPORT	HTTPS, FTP client, SSL, TLS v1.2, SCP (client and server), SFTP, SMTP client for use by scripts and the command line, SNMP, SSH; Protocol analyzer, ability to capture PCAP for use with Wireshark; DHCP, DynDNS, Dynamic DNS client compatible with BIND9/No-IP/DynDNS; Captive portal, Intelliflow; Nagios, DNS server, NTP server, Multicast, mDNS, IPerf, management via Digi Remote Manager or Digi On-Prem Manager
SERIAL AND DATA PROTOCOL SUPPORT	RealPort; socket and autoconnect socket connectivity for TCP and encrypted TCP, SSH, Telnet, RFC-2217, UDP
SECURITY	IP filtering, stateful firewall, custom firewall rules (iptables), address and port translation; TLS 1.2 and above, FIPS 197, open VPN client and server; VPN tunnels; Authentication: RADIUS, TACACS+; certificates; MAC address filtering; VLAN support
VPN	IPsec with IKEv1, IKEv2, NAT Traversal; OpenVPN client and server; GRE VPN tunnels; Cryptology: SHA-1/256/384/512, MDS, RSA; Encryption: 3DES and AES up to 256-bit (CBC mode for IPsec); Diffie Hellman: DH groups 1-32 (CURVE448)
ROUTING/FAILOVER	IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; GRE; Multicast routing; Routing protocols: RIP (v1, v2) OSPF, BGP, IP failover: VRRP; automatic failover; Digi SureLink®

DIGI

Digi Connect EZ WS Photos

Digi Connect EZ WS photo

Digi Connect EZ WS photo — front

Digi Connect EZ WS photo — back

Digi Connect EZ WS photo — left

Digi Connect EZ WS photo — right

Part Numbers	Digi Connect EZ WS
EZ04-WS00	Digi Connect EZ 4 WS — serial server, 4-port, PoE, with Wi-Fi, no accessories

Part Numbers	Accessories
24000136	Power Supply — 12 VDC 3 A wall plug, locking barrel, with tips for US, UK, EU and AU

Part Numbers	Serial Cables and Adapters
CABLE ADAPTERS	
76000697	DB-9F console adapter, quantity 4
76000698	DB-25M console adapter, quantity 4
76000699	DB-25F console adapter, quantity 4
76000700	DB-25M modem adapter, quantity 4
76000701	DB-9M modem adapter, quantity 4
CABLES	
76000195	RJ-45 to DB-25 male straight, 4 feet
76000199	RJ-45 to DB-25 female straight, 4 feet
76000201	RJ-45 to DB-9 female straight, 4 feet
76000238	RJ-45 to DB-25 male crossover, 4 feet
76000240	RJ-45 to DB-9 male straight, 4 feet
76000264	RJ-45 to DB-9 male crossover, 4 feet
76000645	RJ-45 to DB-9 female crossover, 4 feet

Part Numbers	Digi LifeCycle Assurance
DIGI-IM-LCA-1YR-EXT	Digi LifeCycle Assurance — 1-year extension
DIGI-IM-LCA-2YR-EXT	Digi LifeCycle Assurance — 2-year extension
DIGI-IM-LCA-3YR-EXT	Digi LifeCycle Assurance — 3-year extension
DIGI-IM-LCA-4YR-EXT	Digi LifeCycle Assurance — 4-year extension
DIGI-IM-LCA-RENEWAL	Digi LifeCycle Assurance renewal

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Part Numbers	Digi LifeCycle Assurance with On-Prem Manager
DIGI LIFECYCLE ASSURANCE ON-PREM MANAGER SERVER	
DIGI-IM-LCAP-SERVER-1YR	Digi LifeCycle Assurance On-Prem Manager Server License — 1-year subscription
DIGI-IM-LCAP-SERVER-1YR	Digi LifeCycle Assurance On-Prem Manager Server License — 2-year subscription
DIGI-IM-LCAP-SERVER-1YR	Digi LifeCycle Assurance On-Prem Manager Server License — 3-year subscription
DIGI-IM-LCAP-SERVER-1YR	Digi LifeCycle Assurance On-Prem Manager Server License — 4-year subscription
DIGI-IM-LCAP-SERVER-1YR	Digi LifeCycle Assurance On-Prem Manager Server License — 5-year subscription
DIGI ON-PREM MANAGER PER-DEVICE LICENSE	
DIGI-IM-LCAP-1YR-REN	Digi LifeCycle Assurance On-Prem Manager — renewal
DIGI-IM-LCAP-1YR-EXT	Digi LifeCycle Assurance On-Prem Manager — 1-year extension
DIGI-IM-LCAP-2YR-EXT	Digi LifeCycle Assurance On-Prem Manager — 2-year extension
DIGI-IM-LCAP-3YR-EXT	Digi LifeCycle Assurance On-Prem Manager — 3-year extension
DIGI-IM-LCAP4YR-EXT	Digi LifeCycle Assurance On-Prem Manager — 4-year extension
DIGI-IM-LCAP-5YR-EXT	Digi LifeCycle Assurance On-Prem Manager — 5-year extension

Digi LifeCycle Assurance with On-Prem Manager is available in 1-, 2-, 3-, 4- and 5-year subscriptions, and require a server license and one endpoint license per device per year.

1-year **LifeCycle Assurance** with 24x7 Expert Support and device management, via Digi On-Prem Manager or Digi Remote Manager included with Digi Connect EZ WS models.

For more information, please visit digi.com.

For more information about Digi Connect EZ WS,
visit **digi.com/connect-ez-ws.**

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