

Digi EX15

Branch connectivity in a compact, affordable, all-in-one solution

Digi EX15 cellular extenders with advanced routing capabilities offer gigabit Ethernet and Wi-Fi connectivity for retailers and other organizations that cannot tolerate network downtime and the negative impact on revenue streams and brand reputation — easy to deploy and centrally managed via **Digi Remote Manager®** (Digi RM), which is included in your **Digi 360** solution. (See page 2.)

A suite of upgradeable **Digi CORE® plug-in LTE modems** lets users select the cellular speeds that best fit their business requirements, including LTE Cat 4 and LTE-Advanced Cat 7.

Combine Digi EX15 with a dedicated wireline connection to ensure dual ISP connectivity, maximum uptime and complete business continuity for devices that must be "always on," such as mobile kiosks, digital signs and POS systems.

You can use Digi EX15 for primary LTE connectivity, in addition to dual-connectivity/failover. Additionally, the serial port can provide out-of-band (OOB) management for remote, off-premise equipment.

Part of Digi enterprise solutions, Digi EX15 comes with industry-leading software, including **Digi Accelerated Linux** (DAL OS), **Digi TrustFence®** security framework, and the **Digi RM** configuration and management platform.

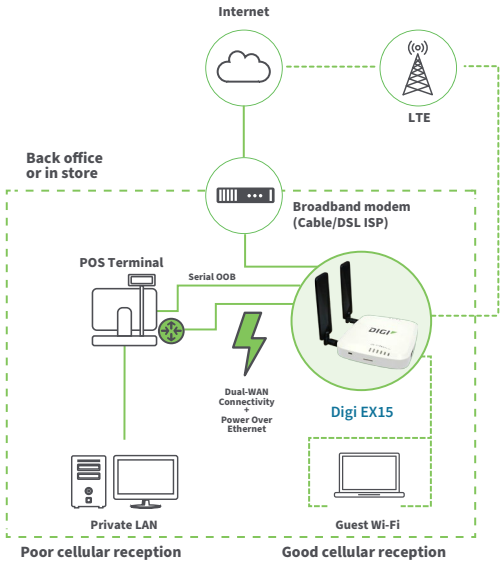
Digi RM provides centralized control, management, security, edge intelligence and day-to-day network management for hundreds and thousands of distributed devices.

For fast and easy installations, a site survey battery, PoE injector and mounting accessories are included for proper placement based on optimal signal strength.

Key features, benefits and applications

- LTE-certified **Digi CORE plug-in modem**
- Advanced routing capabilities to help you match your use case
- Scalable cellular technology allows you to match speeds to applications and future proof your network
- Optimized connectivity to any Ethernet device
- Multiple mounting options and accessories
- Serial port for remote, out-of-band management
- Zero-touch provisioning and cloud management
- Meets the U.S. government **FIPS 140-2** cybersecurity standard
- Includes the **Digi 360** solution with warranty, customer care and **Digi Remote Manager** cloud management, enabling easy setup, mass configuration and management
- Value-added services include **Digi Containers** to enable powerful, cost-efficient applications and **Digi WAN Bonding** for 5G/LTE WAN aggregation with immediate failover

Application example



Related Digi enterprise router solutions


Digi EX50 5G


Digi EX12


Digi CORE plug-in LTE modem


Digi Remote Manager

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DIGI EX15 WITH DIGI 360

Digi 360

Digi 360 offers comprehensive IoT packaged solutions, including purpose-built devices, software and services to help customers optimize their IoT investments and maximize ROI. These solutions are designed to simplify IoT complexity, and ease the challenges enterprises face in configuring, deploying and managing their IoT initiatives. Your Digi 360 subscription is included with the purchase of **Digi EX15**, complete with Digi Remote Manager, warranty and customer care. **Learn more at digi.com/digi360.**

Management

Digi Remote Manager®, our network orchestration platform, provides complete visibility and control, with configuration, remote monitoring, automation, security and OTA software update capabilities.

Device

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

360

Warranty

Device warranty covering the full length of the Digi 360 subscription, to help customers maximize their technology investment while limiting risk.

Customer Care

The support plan provides 24 x 7 x 365 tier 1 support with 4-hour SLA for device and network troubleshooting to ensure customers can resolve issues quickly.

Value-Added Services

Digi Containers



Digi Remote Manager enables deployment of custom applications via containers

Digi Containers simplify and centralize the process of building, deploying and running custom applications on devices managed with **Digi Remote Manager** as the central portal. Containers with custom programs or Python applications can be loaded via Digi RM on any device running the **Digi Accelerated Linux** operating system (DAL OS).

As an add-on service to Digi Remote Manager, Digi Containers are a powerful capability implemented via Lightweight Linux Containers (LXC). LXC tools enable developers to package up a custom application, with its dependencies and configuration, into a lightweight, portable bundle that shares only the running kernel with the host device.

Digi WAN Bonding



Resilient connectivity and maximum performance across multiple connections

Digi WAN Bonding combines multiple connections into a seamless and resilient connectivity solution that ensures optimal performance and maximum uptime anywhere around the world.

Digi devices provide a range of connectivity options including cellular failover with features such as **Digi SureLink®**, policy-based routing and interface bonding. These features are excellent at preventing any external network failures from causing downtime.

*Digi Containers and Digi WAN Bonding are available as value-added services with Digi Remote Manager.

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DIGI EX15 WITH DIGI 360

Digi 360 Management and Security

Digi Accelerated Linux (DAL OS)

DAL OS is Digi's standard operating system integrated into Digi **Enterprise** (EX), **Industrial** (IX) and **Transportation** (TX) routers, **console servers** and **USB-connected devices**. Developed for speed and simplicity, DAL OS enables advanced capabilities that support today's demanding applications. **Learn more at digi.com/DAL.**

Digi Remote Manager (Digi RM)

Digi Remote Manager is a proven technology platform that brings networks to the next level, empowering networks — and the people who manage them — to work smarter. Digi RM transforms a multitude of dispersed IoT devices into a dynamic, intelligent network. It's easy to deploy, monitor and diagnose thousands of mission-critical devices from a single point of command on a desktop, tablet or phone. All the while, software-defined security diligently safeguards your entire Digi ecosystem. **Learn more at digi.com/digi-remote-manager.**

Digi RM infrastructure and security

- Hosted in a commercial-grade cloud server environment that meets SOC 1®, SOC 2® and SOC 3® standards
- Superior availability, operating at 99.9% or greater uptime
- Open APIs are available to support application development
- Comprehensive security controls to protect your data
- Member of the Center for Internet Security® (CIS®)
- Enables compliance with security frameworks like ISO27002, HIPAA, NIST and more
- Earned Skyhigh's CloudTrust™ Program highest rating of Enterprise-Ready

Digi TrustFence

The Digi TrustFence device security framework simplifies the process of securing multiple connected devices.

DIGI TRUSTFENCE

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.



DAL OS and Digi RM capabilities

- **DAL OS with Digi Remote Manager:** Remote console access, configuration templates, HTTP proxy, device event logs, configurable maintenance window
- **Serial:** Modbus, serial-over-TCP/UDP
- **Customization:** Python 3, Python pip, PyCharm integration, shell scripting, containers, MQTT client
- **Troubleshooting:** iPerf and nuttcp bandwidth testing, Find Me tool
- **GNSS:** NMEA/TAIP location forwarding to servers, geo-fencing
- Activate, monitor and diagnose your mission-critical devices through a single portal
- Schedule key operations — including firmware updates and file management — on a single device or on a group of devices, keeping your network functionality up-to-date and maintaining compliance standards
- Manage edge devices out-of-band via console terminal access
- Monitor equipment health and connectivity across deployments
- Create detailed reports and real-time alerts for specified conditions
- Integrate device data through open APIs to gain deeper insights and control with third-party applications
- Report and alert on performance statistics, including connection history, signal quality, latency, data usage and packet loss

Built-in Security. Delivered.

- **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 intrusion
- **Authentication:** Data authentication and device identity management options, with updated user and password settings
- **Secure connections:** Latest encryption protocols for data in motion and over-the-air (OTA) transmissions to ensure integrity
- **Ongoing monitoring and support:** Ongoing threat measurement and monitoring services, with external security audits

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DIGI EX15 WITH DIGI 360

Specifications



Manage and configure Digi EX15 with Digi Remote Manager

SPECIFICATIONS	DIGI EX15 WITH DIGI 360*
CELLULAR CONNECTIVITY**	
DIGI CORE PLUG-IN LTE MODEMS	LTE Cat 4 (Global): B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B39, B40, B41; 3G: B1, B2, B4, B5, B6, B8, B19; 2G EDGE / GPRS: 850 / 900 / 1800 / 1900 MHz; Transfer rate (max): 150 Mbps, 50 Mbps up
	LTE-A Cat 7 (US): B2, B4, B5, B7, B12, B13, B25, B26, B41, B42, B43, B48, B66, B71; WCDMA: B2, B5; Transfer rate (max): 300 Mbps, 150 Mbps up
CONNECTORS	(2) 50 Ω SMA (center pin: female)
SIM SLOTS	(2) Mini-SIM (2FF); software selectable, hardware switchable
SOFTWARE AND MANAGEMENT*	
REMOTE MANAGEMENT	Digi Remote Manager; SNMP v3 (user installed/managed), encrypted SMS
LOCAL MANAGEMENT	WebUI (HTTPS/HTTPS); CLI (SSH, serial port)
PROTOCOLS	RIP, RIPng, OSPFv2, OSPFv3, BGP, Babel, IS-IS
MANAGEMENT / TROUBLESHOOTING TOOLS	FTP client, SCP; protocol analyzer with PCAP for Wireshark; event logging with syslog and SMTP client; NTP/SNTP
MEMORY	256 MB RAM, 512 MB flash
ETHERNET	
PORTS	(2) RJ-45; 10/100/1000/2500 Mbps (auto-sensing)
WI-FI (OPTIONAL)	
CONNECTIVITY	2 x 2 MIMO 2.4/5 GHz: 802.11 b/g/n 2.4 GHz; 802.11 n/a/ac 5 GHz
SERIAL	
PORTS	(1) RS-232 (RJ-45)
PHYSICAL	
DIMENSIONS	142 mm x 128 mm x 31 mm (5.6 in x 5.0 in x 1.2 in)
WEIGHT	0.2 kg (7.0 oz)
STATUS LEDS	LAN (link = solid, flashing = act), WAN (link = solid, flashing = act), LTE, 5 signal, SIM 1 and 2 LEDs
ENCLOSURE	Plastic
POWER REQUIREMENTS	
POWER INPUT	18 VDC, 1 A, reverse polarity protection
INCLUDED ACCESSORIES	Includes PSU, antennas, and remote mounting kit: passive PoE injector, mounting bracket and accessories
ENVIRONMENTAL	
OPERATING TEMPERATURE	0 °C to 40 °C (32 °F to 104 °F)
RELATIVE HUMIDITY	5% to 95% (non-condensing)
APPROVALS**	
CELLULAR	PTCRB; US: AT&T, T-Mobile, Verizon; Canada; Europe visit digi.com/resources/certifications for latest certifications and updates
EMISSIONS / IMMUNITY	Part 15, Subpart B, Class A; CE, RCM; CAN ICES-3(B)/NMB-3(B)
WARRANTY***	
PRODUCT WARRANTY	1-year

*Includes the **Digi 360** solution for **Digi EX15** (1-year) with **Digi Remote Manager**, **warranty** and **customer care**.
Visit **digi.com/resources/certifications for latest approvals and updates.
***Product warranty can be extended with **Digi 360** extensions or renewals.

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DIGI EX15 WITH DIGI 360

Product Photos

Digi EX15 Photos

Digi EX15 — Cat 4



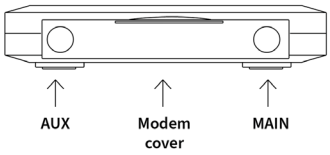
Digi EX15 — Cat 7



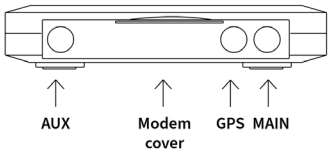
Digi EX15 — Cat 4 left



Digi EX15 — Cat 4 left



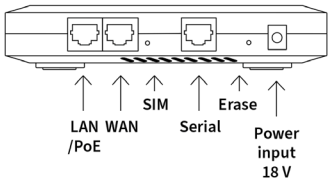
Digi EX15 — Cat 7 left



Digi EX15 — Cat 4 right



Digi EX15 — right



Featured Technologies

DIGI TrustFence

MEMBER WiFi ALLIANCE

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DIGI EX15 WITH DIGI 360

Part Numbers

PART NUMBERS	DIGI EX15 WITH DIGI 360*
EX15-WX07-OUS	Digi EX15 — 2-port GigE; RJ-45, RS-232, Wi-Fi; LTE-A / HSPA+ Cat 7; Cellular certifications: PTCRB, AT&T, T-Mobile, Verizon, US, Canada
EX15-XX07-OUS	Digi EX15 — 2-port GigE; RJ-45, RS-232; LTE-A / HSPA+ Cat 7; Cellular certifications: PTCRB, AT&T, T-Mobile, Verizon, US, Canada

*Includes **Digi 360** solution for **Digi EX15** (1-year) with **Digi Remote Manager**, **warranty** and **customer care**.
Visit **digi.com/resources/certifications for latest approvals and updates.

PART NUMBERS	AVAILABLE ACCESSORIES***
76002112	18 V PSU power supply with barrel jack connector (replacement)
170011	(1) Antenna extender: 48 mm circle antenna magnetic base (base connector: SMA jack); cable: low loss CLF; 50 cm length with SMA plug (replacement for optional Wi-Fi enabled models)
76002131	Cellular antenna — 3G/4G/5G, multi-band 6 MHz – 6000 MHz, swivel, articulating, black

***Sold separately, unless otherwise noted. Digi EX15 models supporting LTE Cat 4 and LTE-Advanced Cat 7 and Cat 11 require two cellular antennas.

PART NUMBERS	DIGI 360 EXTENSIONS AND RENEWALS
DIGI360-EX15-EXT-2YR	Digi 360 extension for two additional years for Digi EX15
DIGI360-EX15-EXT-4YR	Digi 360 extension for four additional years for Digi EX15
DIGI360-EX15-REN-1YR	Digi 360 renewal for one additional year for Digi EX15
DIGI360-EX15-REN-3YR	Digi 360 renewal for three additional years for Digi EX15
DIGI360-EX15-REN-5YR	Digi 360 renewal for five additional years for Digi EX15

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DIGI EX15 WITH DIGI 360

Part Numbers

PART NUMBERS	VALUE-ADDED SERVICES
DIGI-RM-PRM-CS	Digi Containers subscription — 1-year subscription
DIGI-SRV-WB-TIER1-1YR	Digi WAN Bonding subscription with 100 Mbps max throughput — 1-year subscription
DIGI-SRV-WB-TIER2-1YR	Digi WAN Bonding subscription with 200 Mbps max throughput — 1-year subscription
DIGI-SRV-WB-TIER3-1YR	Digi WAN Bonding subscription with 1 Gbps max throughput — 1-year subscription

For more information, please visit digi.com.

For more information about Digi EX15, visit **digi.com/ex15**.

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