

Digi EX12

Avoid network outages with primary or backup LTE connectivity; integrate seamlessly with existing infrastructure

Digi EX12 is an affordable, scalable failover solution that enables you to retrofit your infrastructure for advanced cellular network access. With a 3GPP-compliant, carrier-certified LTE Cat 4 cellular modem supporting multiple LTE bands and equipped with dual SIM slots, Digi EX12 provides uninterrupted primary or backup connectivity. It's easy to deploy and is centrally managed via **Digi Remote Manager**® (Digi RM), which is included in your **Digi 360** solution. (See page 2.)

The Digi EX12 enterprise cellular extender with advanced routing capabilities protects against downtime by automatically switching to a secondary cellular carrier should the primary SIM lose Internet access. This compact, high-performance device is also compatible with any dual-WAN networking appliance and helps you achieve reliable connectivity at any location using your existing equipment.

Couple Digi EX12 with a dedicated wireline ISP connection to maximize uptime and ensure reliable network availability for POS systems, ATMs, mobile kiosks, digital signage and more. Deployments are streamlined with installation accessories including an optional Remote Mounting Kit for site survey, mounting bracket and a passive Power-over-Ethernet (PoE) injector for optimizing placement for the best cellular reception.

Part of Digi enterprise solutions, Digi EX12 comes with industry-leading software, including **Digi Accelerated Linux** (DAL OS), **Digi TrustFence**® security framework, and the **Digi RM** configuration and management platform. These tools deliver security, reliability and system-wide management of your entire infrastructure for centralized control, management, security, edge intelligence and day-to-day network management for hundreds and thousands of distributed devices.

Related Digi enterprise cellular solutions



Digi EX50 5G



Digi EX15

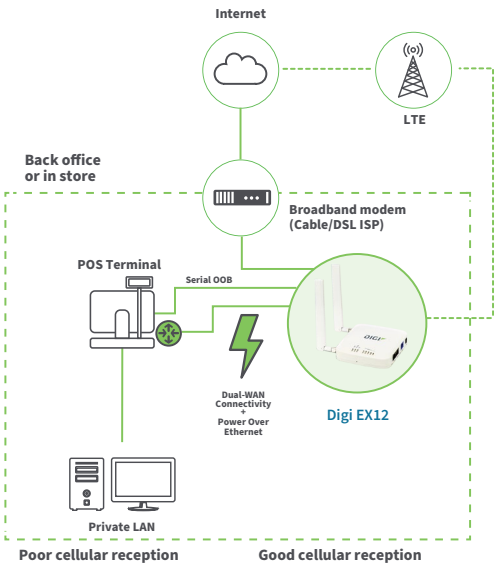


Digi Remote Manager

Key features, benefits and applications

- Redundant cellular connectivity with dual SIMs and **Digi SureLink**®
- Advanced routing capabilities to help you match your use case
- **Digi TrustFence** for built-in device security, secure encrypted connections, ongoing monitoring and support
- **FirstNet Capable**™ models for use on public safety networks
- Optional Remote Mounting Kit with bracket, accessories and passive PoE injector to identify the best location for optimum cellular reception
- Automatic cellular carrier detection and switching with Carrier Smart Select™
- 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

Application example



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DIGI EX12 WITH DIGI 360

Digi 360

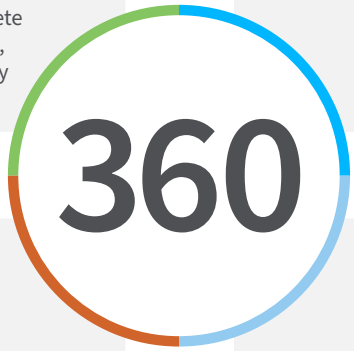
Digi 360 offers comprehensive IoT packaged solutions, including purpose-built devices, software and services to help customers optimize their IoT investments and maximize ROI. These solutions are designed to simplify IoT complexity, and ease the challenges enterprises face in configuring, deploying and managing their IoT initiatives. Your Digi 360 subscription is included with the purchase of **Digi EX12**, 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.



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.

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DIGI EX12 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 EX12 WITH DIGI 360

Specifications



Manage and configure Digi EX12 with Digi Remote Manager

Specifications	Digi EX12 with Digi 360*
CELLULAR CONNECTIVITY**	
3GPP CELLULAR BANDS	LTE: B2, B4, B5, B12, B13, B14 (FirstNet®), B66, B71; 3G: B2, B4, B5; Transfer rate (max): 150 Mbps down, 50 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 (cloud based); SNMP v3 (user installed/managed), encrypted SMS
LOCAL MANAGEMENT	Web Interface (HTTP/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 (auto-sensing)
SERIAL	
PORTS	(1) RS-232 (RJ-45)
PHYSICAL	
DIMENSIONS	127 mm x 127 mm x 25 mm (5.0 in x 5.0 in x 1.0 in)
WEIGHT	0.24 kg (8.25 oz)
STATUS LEDS	LAN (link = solid, flashing = act), WAN (link = solid, flashing = act), LTE, 5 signal
ENCLOSURE	Plastic
POWER REQUIREMENTS	
POWER INPUT	18 VDC, 1 A, reverse polarity protection
ACCESSORIES	Includes power supply, cables, antennas and optional Remote Mounting Kit: passive PoE injector, mounting bracket and accessories (see part numbers for details); Note: only the Digi-supplied power supply and passive PoE injector are recommended for use with Digi EX12
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, FirstNet Capable™, T-Mobile, US Cellular, Verizon; Canada visit digi.com/resources/certifications for latest certifications and updates
PUBLIC SAFETY NETWORKS	FirstNet®
EMISSIONS / IMMUNITY	CE; RED; FCC Part 15 Subpart B; CAN ICES-003
WARRANTY***	
PRODUCT WARRANTY	1-year

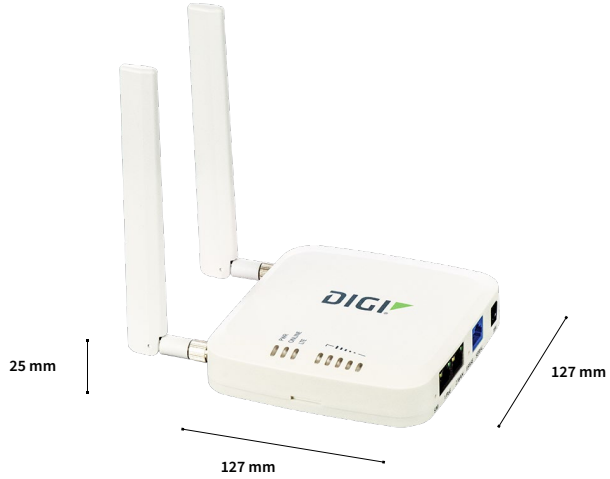
*Includes the Digi 360 solution for Digi EX12 (1-year) with Digi Remote Manager, warranty and customer care.
**Visit digi.com/resources/certifications for latest approvals and updates.
***Product warranty can be extended with Digi 360 extensions or renewals.

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DIGI EX12 WITH DIGI 360

Product Photos and Technologies

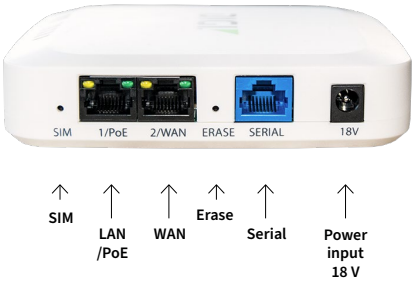
Digi EX12 Photos



Digi EX12— left



Digi EX12— right



Featured Technologies

FIRSTNET Built with AT&T

DIGI TrustFence

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DIGI EX12 WITH DIGI 360

Part Numbers

Part Numbers	Digi EX12 with Digi 360*
EX12-0004-OUS	Digi EX12 without Remote Mounting Kit — 2-port 10/100; RJ-45, RS-232; US and Canada, LTE / HSPA+ Cat 4; FirstNet Capable™ Includes antennas and power supply

*Includes **Digi 360** solution for **Digi EX12** (1-year) with **Digi Remote Manager**, **warranty** and **customer care**.
Visit **digi.com/resources/certifications for latest approvals and updates.

Part Numbers	Available Accessories***
76002186	Mounting bracket and mounting accessories
76002112	18 V PSU power supply with barrel jack connector (replacement)
ACC-500170	10/100 base-T passive PoE adapter, green (replacement)
76002188	4 meter flat Cat 6 Ethernet cable, white (replacement)
440091	0.5 meter flat Cat 6 Ethernet cable, white (replacement)

***Sold separately, unless otherwise noted.

Part Numbers	Digi 360 Extensions and Renewals
DIGI360-EX12-EXT-2YR	Digi 360 extension for two additional years for Digi EX12
DIGI360-EX12-EXT-4YR	Digi 360 extension for four additional years for Digi EX12
DIGI360-EX12-REN-1YR	Digi 360 renewal for one additional year for Digi EX12
DIGI360-EX12-REN-3YR	Digi 360 renewal for three additional years for Digi EX12
DIGI360-EX12-REN-5YR	Digi 360 renewal for five additional years for Digi EX12

Part Numbers	Value-Added Services
DIGI-RM-PRM-CS	Digi Containers subscription — 1-year subscription

For more information, please visit digi.com.

For more information about Digi EX12,
visit **digi.com/ex12**.

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