Digi Connect IT 4

Out-of-band management of network and server equipment

Digi Connect® IT 4 remote console access server ensures continuous network uptime to all your remote locations by functioning as an always-on cellular out-of-band (OOB) gateway for branch offices, retail stores, kiosks and other sites, even when the primary network is down — easy to deploy and centrally managed via **Digi Remote Manager®** (Digi RM), which is included in your **Digi 360** solution. (See page 2.)

You can maximize WAN resilience with failover to 4G LTE networks, while built-in multicarrier capabilities lets you instantly switch to the carrier of choice. Pair Digi Connect IT 4 with a dedicated wire line connection to ensure dual ISP connectivity, maximum uptime and complete business continuity for organizations that demand uninterrupted network access and availability.

For enterprises that need serial access for remote equipment monitoring, Digi Connect IT 4 offers the most complete and secure cellular-based solution in the industry. Digi Connect IT 4 allows identification and remediation of issues at the network edge before they can become a work order or fail.

Digi TrustFence®, a suite of hardware and firmware security features, ensures the integrity of Digi Connect IT 4 safeguards. Gain critical insights into your deployed devices and manage your network with **Digi RM** — the command center for your deployment.

Digi RM is a cloud-based solution that facilitates easy setup, mass configuration, maintenance and support for hundreds or even thousands of remote Digi devices. Digi RM lets you evaluate, update and configure your Digi enterprise products — and the health of your network — at scale after deployment. Digi RM and Digi Connect IT 4 provide easy setup, configuration, security management and serial port monitoring of large installations of remote Digi devices.

Key features, benefits and applications

- Advanced modem management software
- Out-of-band (OOB) management and recovery using secure SMS, advanced modem management software, and early detection and remediation of issues
- Add instant business continuity to any location with primary or backup LTE connectivity
- Protect your business and brand with a simple solution to avoid network disruptions and outages
- Modular cellular support allows "right-sizing" cellular speeds and costs
- Operates independently from in-band network
- 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

Related Digi enterprise router solutions
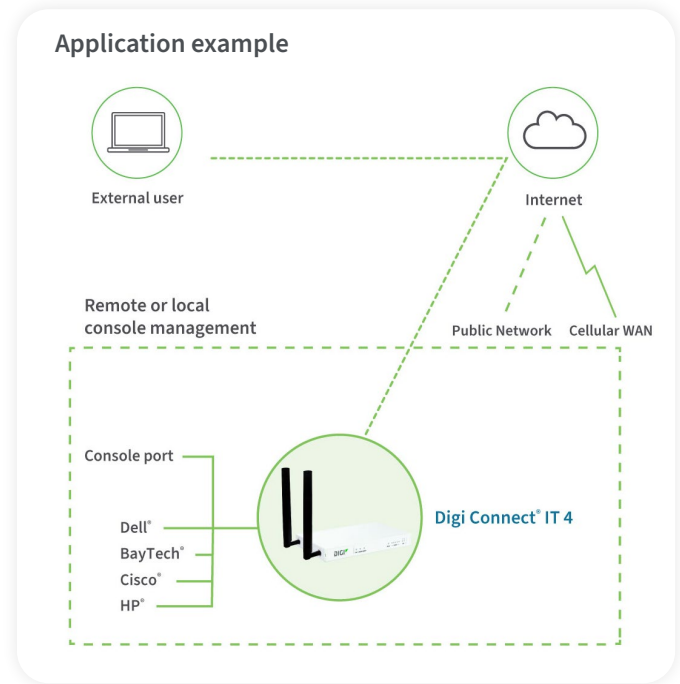
Digi Connect IT Mini

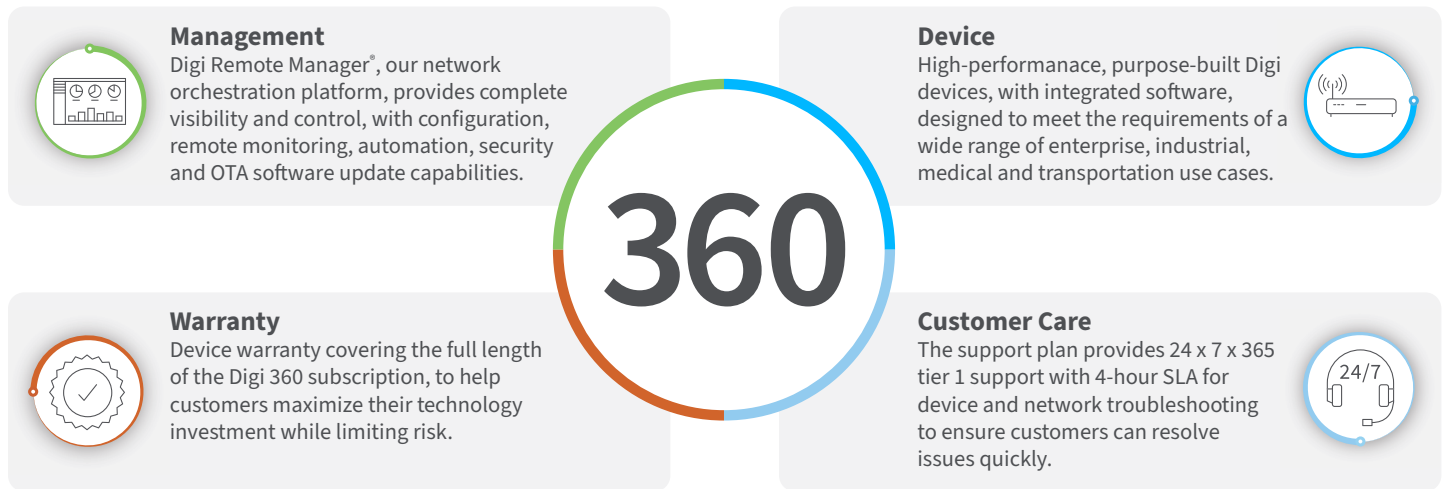Digi Connect IT 16/48

Digi CORE plug-in LTE modem

Digi Remote Manager

Application example

External user

Internet

Remote or local console management

Public Network   Cellular WAN

Console port

Dell®
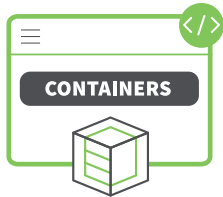BayTech®
Cisco®
HP®

Digi Connect® IT 4

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 Connect IT 4**, 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 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.

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 REMOTE MANAGER®

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

Specifications

Manage and configure Digi Connect
IT 4 with Digi Remote Manager

SPECIFICATIONS	DIGI CONNECT IT 4 WITH DIGI 360*
CELLULAR CONNECTIVITY**	
CELLULAR	Global LTE Cat 4 Digi CORE® plug-in LTE modem
MODULE SUPPORT	Digi CORE plug-in LTE modem
SOFTWARE AND MANAGEMENT*	
REMOTE MANAGEMENT	Digi Remote Manager (cloud based); SNMP v1/v2c/v3 (user installed/managed), SMS
LOCAL MANAGEMENT	Web Interface (HTTP/HTTPS); CLI (console, SSH)
NETWORK	
ETHERNET	(2) RJ-45; 10/100 Mbps (auto-sensing)
CONNECTORS	
SERIAL	(4) Serial ports RJ-45 RS-232
PHYSICAL	
DIMENSIONS	228 mm x 127 mm x 25 mm (9.0 in x 5.0 in x 1.0 in)
WEIGHT	0.73 kg (26 oz)
STATUS LEDS	Power, online, LTE status, (5) signal strength and (2) SIM selection
POWER REQUIREMENTS	
POWER INPUT	18 V DC, .66 A; 100-240 AC
ENVIRONMENTAL	
OPERATING TEMPERATURE	0 °C to 40 °C (32 °F to 104 °F)
RELATIVE HUMIDITY	5% to 95% (non-condensing)
APPROVALS**	
CELLULAR	Visit digi.com/resources/certifications for latest certifications and updates
SAFETY / SECURITY	IEC62368-1, CB, EN62311, FIPS 140-2
EMISSIONS / IMMUNITY	CE; RED; FCC Part 15 Subpart B; CAN ICES-003
WARRANTY***	
PRODUCT WARRANTY	3-year

*Includes the Digi 360 solution for Digi Connect IT 4 (1-year) with Digi Remote Manager, warranty and customer care.
**Visit digi.com/resources/certifications for latest approvals and updates.

ENTERPRISE SOFTWARE	DESCRIPTION
PROTOCOL SUPPORT	HTTP, HTTPS, FTP, SFTP, SSL, SNMP v3, SSH and CLI for web management; remote management via Digi Remote Manager; SMS management
SECURITY / VPN	IP filtering, stateful inspection firewall with scripting, address and port translation; VPN: IPSec with IKEv1, IKEv2, NAT Traversal; SSL, SSLv2, SSLv3, FIPS 197; PPTP, L2TP; no limit VPN tunnels; Cryptology: SHA-1, SHA-2, MD5, RSA; Encryption: DES, 3DES and AES up to 256-bit (CBC mode for IPSec); Authentication: RADIUS, TACACS+, MAC address filtering; VLAN support
ROUTING / FAILOVER	IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; GRE; Multicast routing; Routing protocols: PPP, OSPF, BGP, RSTP (Rapid Spanning Tree Protocol); IP failover: VRRP, automatic failover/failback to secondary connection
OTHER PROTOCOLS	QoS via TOS/DSCP/WRED; UDP/TCP to serial

*For a comprehensive list of operating system features, please visit digi.com/solutions/by-technology/dal-operating-system/features.

DIGI

Product Photos

Digi Connect IT 4 Photos

Digi Connect IT 4 — front

Digi Connect IT 4 — back

DIGI CONNECT IT 4 WITH DIGI 360

Part Numbers

PART NUMBERS	DIGI CONNECT IT 4 WITH DIGI 360*
5402-RM00-GLB	Digi Connect IT 4 remote console access server, no cellular module, all regions
5402-RMG4-GLB	Digi Connect IT 4 remote console access server; Cat 4 global

*Includes **Digi 360** solution for **Digi Connect IT 4** (1-year) with **Digi Remote Manager**, **warranty** and **customer care**.

PART NUMBERS	AVAILABLE ACCESSORIES***
76002112	18 V power supply with barrel jack connector
500157	Cable assembly passive PoE power injector white 2.1 mm barrel connector
560083	Temporary site survey battery pack, 9 V with 152.4 mm power lead, 2.1 mm barrel connector
76002114	(1) Cellular antenna — 5G/LTE 600 MHz to 6 GHz, swivel, black
76000670	Digi DB-25 male modem adapter (8-pack)
76000671	Digi DB-9 female console adapter (8-pack)
76000672	Digi DB-25 male console adapter (8-pack)
76000673	Digi DB-25 female console adapter (8-pack)
76000702	Digi DB-9 male modem adapter (8-pack)

***Sold separately, unless otherwise noted.

PART NUMBERS	DIGI CORE PLUG-IN LTE MODEM
1002-CMG4-GLB	Digi CORE plug-in LTE modem; Global LTE Cat 4, 3G / 2G fallback

PART NUMBERS	DIGI 360 EXTENSIONS AND RENEWALS
DIGI360-5402-EXT-2YR	Digi 360 extension for two additional years for Digi Connect IT 4
DIGI360-5402-EXT-4YR	Digi 360 extension for four additional years for Digi Connect IT 4
DIGI360-5402-REN-1YR	Digi 360 renewal for one additional year for Digi Connect IT 4
DIGI360-5402-REN-3YR	Digi 360 renewal for three additional years for Digi Connect IT 4
DIGI360-5402-REN-5YR	Digi 360 renewal for five additional years for Digi Connect IT 4

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 Connect IT 4,
visit **digi.com/connect-it-4**.

877-912-3444 | 952-912-3444

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