



DIGI CONNECT IT 16/48

Centrally manage routers, firewalls, servers and other critical IT infrastructure over LTE or enterprise WAN

Reduce downtime, and simplify cabling, deployment, maintenance and change management. The highly redundant design of **Digi Connect® IT 16/48** with dual Ethernet, dual SFP+ and dual power (field replaceable) provides a robust and resilient solution for demanding IT infrastructure management applications.

Flexible power supply kits offer the ability to deploy the product into hot or cold aisles. Software selectable reversing serial cable pinout allows straight-through connectivity to most IT infrastructure devices.

Finance, healthcare, global commerce and managed service companies can use the Connect IT 16/48 to help deliver the highest levels of reliability in support of their critical businesses.

Digi CORE® LTE modems offer dual SIM support across the family of Digi enterprise routers and now Connect IT 16/48 products.

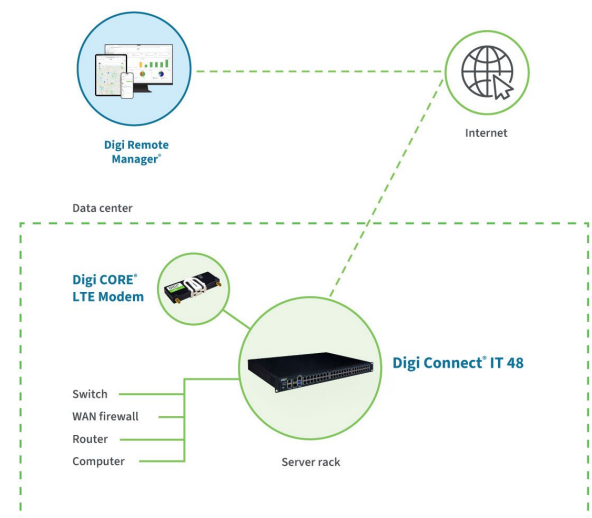
These products are managed globally using **Digi Remote Manager®** (Digi RM) and enable network backup for mission critical data delivery for remote locations. Gain critical insights into your deployed devices and manage your network with Digi Remote Manager — the command center for your deployment.

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 Containers** simplify and centralize the process of building, deploying and running powerful, cost-efficient applications.

Key features, benefits and applications

- **Digi CORE LTE modems** support Global LTE Cat 4 cellular connectivity with 3G / 2G fallback
- Power supply kit provides dual replaceable redundant internal powers
- Digi Connect IT 16:
 - (16) RJ-45 RS-232 (standard/reversed mode selectable)
- Digi Connect IT 48:
 - (48) RJ-45 RS-232 (standard/reversed mode selectable)
- Built-in **Digi TrustFence®** for device security, secure encrypted connections, ongoing monitoring and support
- **Digi Remote Manager** platform for easy setup, mass configuration and management
- **Digi Containers** to enable powerful, cost-efficient applications
- 1-year **LifeCycle Assurance** with 24x7 Expert Support and Digi Remote Manager Premier included

Application example



Related Digi devices and software



Digi Connect® IT 4



Digi EX15



Digi CORE® LTE modem



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.



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-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.



Technical Support

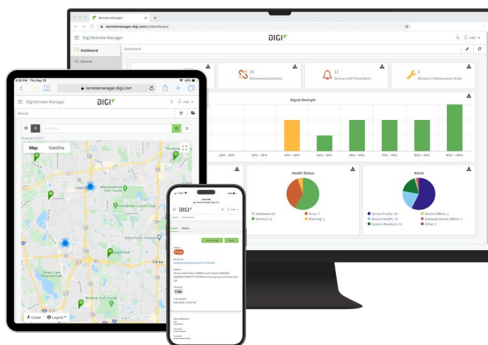
The support plan provides 24 x 7 x 365 tier 1 support with four-hour SLA for device and network troubleshooting to ensure your team can resolve issues quickly.



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



Digi Remote Manager (Digi RM) is a proven technology platform that brings networks to the next level, allowing 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**.](https://digi.com/digi-remote-manager)

Digi RM Capabilities

- 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 of any size
- Create detailed reports and enable 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

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 available to support application development
- Comprehensive security controls in place 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 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 Containers are available as a subscription added to Digi Remote Manager Premier.

SPECIFICATIONS

DIGI CONNECT IT 16

| DIGI CONNECT IT 48

CELLULAR		
CORE MODULE SUPPORT	(1) Digi CORE module compliant socket (recommended module: 1002-CMG4-GLB)	
SOFTWARE AND MANAGEMENT		
REMOTE MANAGEMENT	Digi Remote Manager (cloud based); SNMP	
LOCAL MANAGEMENT	WebUI (HTTPS); CLI (SSH, serial console, direct SSH to serial ports)	
MANAGEMENT/ TROUBLESHOOTING TOOLS	FTP, SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog and SNMP; NTP/SNTP	
MEMORY	2 GB RAM, 8 GB flash	
SECURITY	Implements Digi TrustFence and supports Digi Remote Manager	
CONNECTIONS		
SFP+	(2) 10 Gb capable SFP+ sockets	
ETHERNET	(2) 10/100/1000 Ethernet	
SERIAL	(16) RS-232 serial RJ-45 (support standard or reversed mode)	(48) RS-232 serial RJ-45 (support standard or reversed mode)
CONSOLE	(1) RS-232 serial RJ-45 console port	(1) RS-232 serial RJ-45 console port
USB	(2) USB 3.1 Gen 1 (Type A)	
SD	(1) SD/SDHC/SDXC socket	
PHYSICAL		
DIMENSIONS (L x W x H)	444 mm x 300 mm x 44 mm (17.48 in x 11.81 in x 1.73 in)	
WEIGHT	5.10 kg (11.25 lbs) with power supply kit installed	5.28 kg (11.65 lbs) with power supply kit installed
STATUS LEDS	Front: device power, status; (2) Ethernet (link/active) console (Tx/Rx); 16/48 (Tx/Rx); Back: (2) PSU, status, WWAN signal/service	
POWER REQUIREMENTS		
POWER INPUT	Redundant 100-240 V ~ 50-60 Hz 2.4 A max for each power supply	
POWER CONSUMPTION	30.5 W	39 W
POWER SUPPLY KITS	Port side intake or port side exhaust redundant replaceable power supplies (device requires one power supply kit, see accessories)	
ENVIRONMENTAL		
OPERATING TEMPERATURE	0 °C to 50 °C (32 °F to 122 °F)	
STORAGE TEMPERATURE	0 °C to 70 °C (32 °F to 158 °F)	
RELATIVE HUMIDITY	5% to 95% (non-condensing)	
APPROVALS*		
SAFETY	UL 60950, CSA 22.2 No. 60950, EN60950, EN62368	
EMISSIONS/IMMUNITY	CE, FCC Part 15 Class A, IC, AS/NZS CISPR 22, EN55024, EN55032	
WARRANTY		
PRODUCT WARRANTY	5-year	
TECHNICAL SUPPORT	1-year LifeCycle Assurance with 24x7 Expert Support included	

*Visit [digi.com/resources/certifications](https://www.digi.com/resources/certifications) for latest updates.

SPECIFICATIONS	DESCRIPTION
PROTOCOL SUPPORT	HTTP, HTTPS, FTP, SFTP, SSL, SNMP v3, SSH and CLI for web management; Remote management via Digi Remote Manager; SMS management, protocol analyzer, ability to capture PCAP for use with Wireshark; DynDNS; dynamic DNS client compatible with BIND9/No-IP/DynDNS
SECURITY/VPN	IP filtering, stateful inspection firewall with scripting, address and port translation; VPN: IPSec with IKEv1, IKEv2, NAT Traversal; SSL, SSLv2, SSLv3, OpenVPN client and server; Cryptology: SHA-1, MD5, SHA2-256, SHA2-384, SHA2-512, RSA; Encryption: DES, 3DES and AES up to 256-bit (CBC mode for IPSec); Authentication: RADIUS, TACACS+, TOTP, HOTP; X-509 certificates; MAC address filtering; VLAN support
ROUTING/FAILOVER	IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; GRE; multicast routing; Network protocols: DHCP, PPPoE, Ethernet, cellular; Routing protocols: RIP (v1, v2), OSPF, BGP, Babel, IS-IS; RSTP (Rapid Spanning Tree Protocol); IP failover: VRRP, Ping, DNS, custom; Automatic failover/failback to second GSM network/standby APN
OTHER PROTOCOLS	DHCP; dynamic DNS client compatible with BIND9/No-IP/DynDNS; QoS via TOS/DSCP/WRED

Product Photos

Digi Connect IT 16 — front



Digi Connect IT 48 — front



Digi Connect IT 16 and 48 — back



PART NUMBERS

DIGI CONNECT IT 16 AND DIGI CONNECT IT 48

IT16-1002	Digi Connect IT 16, console access server with 16 serial ports
IT48-1002	Digi Connect IT 48, console access server with 48 serial ports
Power supply kits (mandatory accessory, each device requires one kit)	
ITPS-PSIK	Digi Connect IT 16/48 dual power supply kit, port side intake, use for deployment when serial ports will be serviced in a cold aisle or device will be deployed in an ambient environment
ITPS-PSEK	Digi Connect IT 16/48 dual power supply kit, port side exhaust, use when serial ports will be serviced from hot aisle

ACCESSORIES

FOR USE WITH ALL DIGI CONNECT IT, DIGI CM™ AND DIGI PASSPORT® MODELS

Serial cable adapters (for Digi Passport, Digi CM, Digi Connect IT)	
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)

PART NUMBERS

DIGI CORE LTE MODEMS

For use with all Digi Connect IT 16 and Digi Connect IT 48 models purchased without a module (RM00 versions)	
1002-CMG4-GLB	Digi CORE 1002-CM LTE modem; Global Cat 4, 3G / 2G fallback; Cellular certifications: AT&T, Verizon, Telus, US, Canada, Europe, PTCRB

PART NUMBERS

DIGI REMOTE MANAGER AND VALUE-ADDED SERVICES

DIGI REMOTE MANAGER SUBSCRIPTIONS	
DIGI-RM-PRM-1YR	Digi Remote Manager Premier — 1-year subscription
DIGI-RM-PRM-3YR	Digi Remote Manager Premier — 3-year subscription
DIGI-RM-PRM-5YR	Digi Remote Manager Premier — 5-year subscription
VALUE-ADDED SUBSCRIPTIONS	
DIGI-RM-PRM-CS	Digi Containers subscription



1-year **LifeCycle Assurance** with 24x7 Expert Support and Digi Remote Manager Premier included with Digi Connect IT 16/48 models.

For more information, please visit digi.com.



For more information about Digi Connect IT 16/48, visit digi.com/connect-it-16-48.

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