CENTRALLY MANAGED CONSOLE ACCESS SERVER

Manage this device with Digi Remote Manager

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.
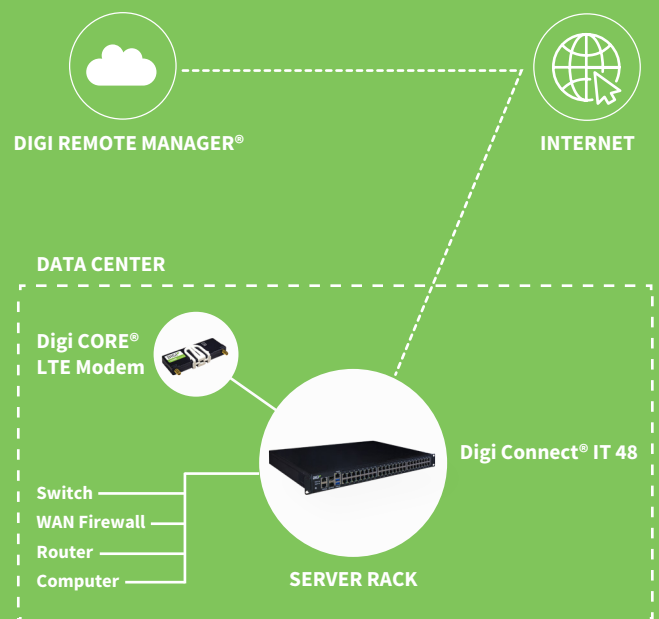
Digi CORE® LTE modems offer dual SIM support across the family of Digi enterprise routers and now Connect IT 16/48 products. These products are managed globally using Digi Remote Manager® (Digi RM) and enable network backup for mission critical data delivery for remote locations.

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.

FEATURES AND BENEFITS

– Digi CORE LTE modems support Global LTE Cat 4 cellular connectivity with 3G / 2G fallback
– Power supply kit provides dual replaceable redundant internal power
– 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)
– Digi Remote Manager platform for easy setup, mass configuration and management

APPLICATION EXAMPLE

DIGI REMOTE MANAGER®

INTERNET

DATA CENTER

Digi CORE® LTE Modem

Digi Connect® IT 48

Switch
WAN Firewall
Router
Computer

SERVER RACK

RELATED PRODUCTS

Digi Connect® IT 4

Digi EX15

Digi CORE® LTE modem

Digi Remote Manager®

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	

DIGI®

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, 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

DIGI REMOTE MANAGER®

Digi Remote Manager is the technology platform that brings networks to the next level, allowing networks — and the people who manage them — to work smarter. With Digi Remote Manager you can transform a multitude of dispersed IoT devices into a dynamic, intelligent network. Now you can easily deploy, monitor and diagnose thousands of mission-critical devices from a single point of command — on your desktop, tablet or phone. All the while, its software-defined security diligently safeguards your entire Digi ecosystem.

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

CAPABILITIES

– Activate, monitor and diagnose your mission-critical devices from a single point of command and control — on your desktop or mobile app

– 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

– Keep tabs on device health and connectvity across device 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

INFRASTRUCTURE

– Hosted in a commercial-grade cloud server environment that meets SOC 1®, SOC 2® and SOC 3® standards

– Superior availability, operating to 99.9% or greater

– Open APIs available to support application development

SECURITY

– 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

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.
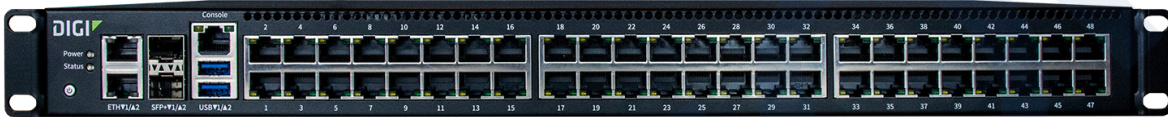
*Digi Containers is available as a subscription added to Digi Remote Manager Premier.

PRODUCT IMAGES

DIGI CONNECT® IT 16 FRONT

DIGI CONNECT® IT 48 FRONT

DIGI CONNECT® IT 16 AND 48 BACK

DIGI

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-STD-1YR	Digi Remote Manager Standard - 1-year subscription
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

For more information, please visit digi.com.

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