DIGI CONNECT EZ 16/32

Click-to-connect | Modern, secure serial connectivity that boots in seconds, configures in minutes and runs for years

Most companies are not replacing their equipment — they are updating the way they talk to it. Digi Connect EZ® 16/32 modernizes operational infrastructure with expanded network connectivity and functionality for today's applications. It is designed to meet the demands of a wide range of critical serial applications including connecting to automation, robotics control, centralized device management, data acquisition and point-of-sale equipment.

Digi Connect EZ is a click-to-connect family of products with 1, 2, 4, 8, 16 or 32 serial ports. Digi Connect EZ 16 and 32 are available with RS-232 or a software-selectable option for RS-32/422/485 communication, as well as LTE and single or dual power options. It takes only a few minutes to configure with intelligent, use case-based options so that you can quickly install without having to modify your equipment or applications.

Digi simplifies key security requirements for critical infrastructure and distributed systems with enhanced access control, management and configuration capabilities. Digi Connect EZ 16 and 32 include built-in Digi TrustFence® to give your security and operations teams peace of mind against evolving security threats with encrypted connections, centralized authentication, VPN support and scalable security updates.

Digi Connect EZ 16 and 32 support the widest range of industry standard and device-specific protocols using serial tunneling, TCP/UDP connections or Digi's patented RealPort® COM port redirector for remote native COM port access. A built-in Python environment enables application development and customization at the device level, including event-based programmability, data conversion and full control of device connections.

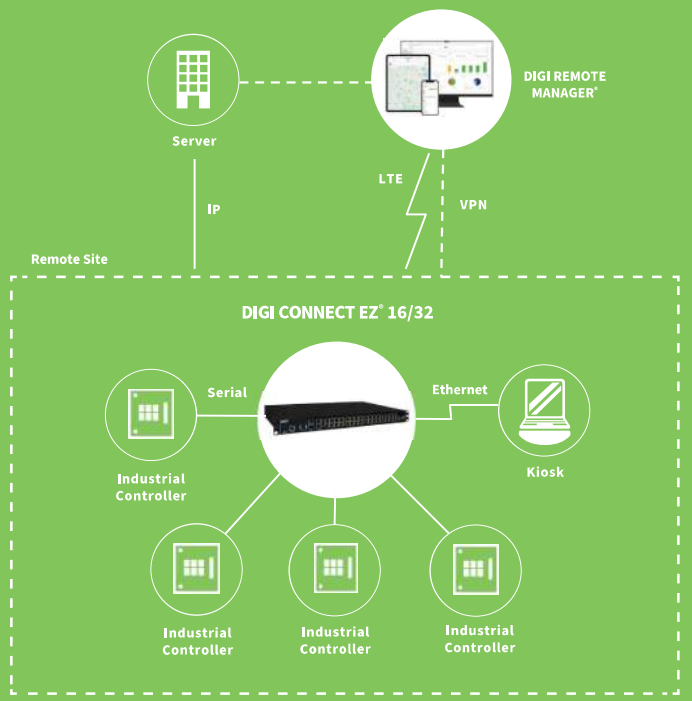
FEATURES AND BENEFITS

- 16 or 32 serial RS-232 or RS-232/422/485 software-selectable ports to connect a wide variety of serial equipment over IP networks
- Dual 10/100/1000 Ethernet with dual SFP+ support, Digi CORE® LTE module support, micro SD for data logging, two USB ports and single or dual power options
- Ideal for applications requiring COM ports, serial tunneling or TCP/UDP sockets
- Optimizes performance for the widest range of industry standard and device-specific protocols
- Built-in Digi TrustFence for device security, secure encrypted connections, ongoing monitoring and support
- Easy setup and mass configuration with Digi Navigator™ and Digi Remote Manager®

RELATED PRODUCTS

Digi Connect® EZ 8 | Digi Connect EZ 2/4 | Digi Connect EZ Mini | Digi RealPort® | Digi Remote Manager®

APPLICATION EXAMPLE



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
- 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 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

INFRASTRUCTURE

- 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

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

DIGI CONNECT EZ 16/32 USE CASES

Digi Connect EZ 16 and 32 are designed to meet the demands of a wide range of critical serial applications including connecting to automation, robotics control, centralized device management, data acquisition and point-of-sale equipment.

Utility and energy

- Critical remote equipment management
- Support in harsh environments
- Redundant connectivity and dual power options

Factory automation

- Process automation
- Reliability for hi-tech robotics and capital systems

Government and aerospace

- Encrypted data transfer across remote locations
- Secure scalable management around the world
- Data integrity, resiliency and redundant connectivity

Commercial and logistics

- Pick n' pack connectivity

DIGI NAVIGATOR

Digi Navigator gives users the ability to discover and configure Digi Connect EZ in minutes. The tool is what makes Digi Connect EZ easy. It allows you to spend your time where it matters most by taking away the hassle of finding devices on a network, configuring the IP address, defining serial ports and connected devices, setting up Digi RealPort and managing passwords.

FEATURES

- Find and connect to devices on a LAN
- Guide IP address configuration
- Configure Digi Connect EZ for use with Digi RealPort
- Quickly define serial ports and devices associated with ports
- Access the Digi Connect EZ web and command line interface
- Manage passwords easily

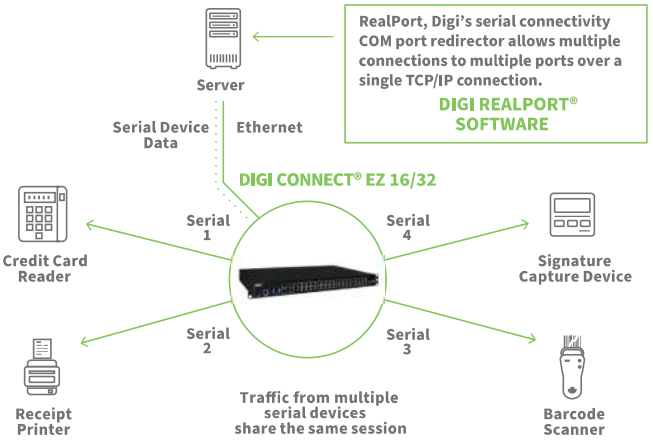
DIGI REALPORT

Digi's patented RealPort software provides serial connectivity over IP networks, no matter where the devices reside.

Digi RealPort is unique among COM port redirectors. It is the only implementation that allows multiple connections to multiple ports over a single TCP/IP connection instead of a separate TCP/IP connection for each serial port. This helps manage network traffic and reduce congestion.

Digi RealPort is installed on the application host; whether it be local, remote, physical, virtual or in the cloud. This allows applications to communicate with devices across a network as if the devices were directly attached to the computer, allowing device connectivity from anywhere on your network.

RealPort also provides end-to-end encryption and full hardware flow control, as well as optimizations for packetization, latency and throughput.



DIGI TRUSTFENCE

Digi TrustFence is a device security framework that simplifies the process of securing connected devices.

BUILT-IN SECURITY. DELIVERED.

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 www.digi.com/trustfence

FEATURES

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 local intrusion.

Authentication

- Provides data authentication and device identity management options and ensures that products are not shipped with default user and password settings.

Secure Connections

- These connections utilize the latest encryption protocols for data in motion and over-the-air (OTA) transmissions to ensure the integrity of data flowing across a network.

Ongoing Monitoring and Support

- Provides ongoing threat measurement and monitoring services and performs external security audits.

SPECIFICATIONS	DIGI CONNECT EZ 16/32	EZ 16	EZ 16 MEI	EZ 32	EZ 32 MEI
CONNECTIONS					
SFP+	(2) 10 Gb capable SFP+ sockets	✓	✓	✓	✓
ETHERNET	(2) 10/100/1000 Ethernet	✓	✓	✓	✓
SERIAL PORTS (RJ45 10-PIN)	RS-232	16		32	
	RS-232/422/485 capable, software selectable		16		32
RS-232 / EIA-232 SERIAL MODES	Signal support TXD, RXD, RTS, CTS, DTR, DSR, DCD, RI flow control options: XON/OFF, CTS/RTS, RTS-toggle	✓	✓	✓	✓
RS-422 / EIA-422 SERIAL MODES	TX+/-, RX+/-, software termination, pre-delay/post-delay		✓		✓
RS-485 / EIA-485 SERIAL MODES	Data+/Data-, software termination, pre-delay/post-delay		✓		✓
CONSOLE (RJ45 10-PIN)	RS-232 serial console port	✓	✓	✓	✓
USB	(2) USB 3.1 Gen 1 (Type A)	✓	✓	✓	✓
MICRO XSD	SD/SDHC/SDXC socket	✓	✓	✓	✓
CELLULAR (WHEN USED WITH DIGI CORE PLUG-IN LTE MODEM)					
CORE MODULE SUPPORT	Digi CORE module compliant socket (see accessories for modules)	✓	✓	✓	✓
CERTIFICATIONS	Visit www.digi.com/resources/certifications for latest certifications	When used with Digi CORE plug-in LTE modem			
LTE (G4) WITH DIGI CORE® PLUG-IN LTE MODEM 1002-CMG4	LTE Cat 4: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B38, B40, B41; 3G: B1, B2, B4, B5, B6, B8, B19 2G EDGE / GPRS: 850 / 900 / 1800 / 1900 MHz				
CONNECTORS	(2) 50 Ω SMA (center pin: female)				
SIM SLOTS	(2) Mini-SIM (2FF)				
SIM SECURITY	Secured in cellular module				
PHYSICAL					
DIMENSIONS (L x W x H)	25.5 cm x 44.5 cm x 4.445 cm (10.4 in x 17.5 in x 1.75 in)				
PACKAGE DIMENSIONS	35.5 cm x 20.4 cm x 6.7 cm (13.98 in x 8.03 in x 2.64 in) Ships with attachable 19” rack ears				
PACKAGE WEIGHT		5.2 kg (11.5 lb)		5.26 kg (11.6 lb)	
STATUS LEDS	System: Power 1, Power 2, Fan 1, Fan 2, Sys Fan, User, WWAN Signal, WWAN Service Per port: Ethernet, Serial, Console, USB				
POWER REQUIREMENTS					
POWER INPUT	Single or dual AC input (C13 connector), use with appropriate National Mains cords				
POWER CONSUMPTION	Single or dual field replaceable, 100 to 240 VAC, ~50 to 60 Hz , 2.4 A max for each power supply				
REPLACEABLE POWER SUPPLY	Product supports redundant replaceable power supplies				

SPECIFICATIONS	DIGI CONNECT EZ 16/32
ENVIRONMENTAL	
OPERATING TEMPERATURE	Standard operating temperature: 0 °C to 50 °C (32 °F to 122 °F)
STORAGE TEMPERATURE	Standard storage temperature: 0 °C to 70 °C (32 °F to 158 °F)
RELATIVE HUMIDITY	5% to 95% (non-condensing)
APPROVALS	
SAFETY	IEC 62368-1, IEC 60950-1, CB, EN 62311, UL 62368-1, UL 60950-1
EMISSIONS / IMMUNITY	CE; RED; FCC Part 15, Subpart B; ICES-003; AU/NZS; CISPR 32, CISPR 35
WARRANTY AND SUPPORT	
PRODUCT WARRANTY	5-year for base Connect EZ device, 3-year for Digi CORE plug-in LTE modem
TECHNICAL SUPPORT	1-year LifeCycle Assurance with 24x7 Expert Support included
SOFTWARE AND MANAGEMENT	
REMOTE MANAGEMENT	Digi Remote Manager, SNMP v3 (user installed/managed); 1-year LifeCycle Assurance with Digi Remote Manager Premier included
LOCAL MANAGEMENT	Digi Navigator discovery and configuration tool, Web UI (HTTP/HTTPS), CLI (Telnet, SSH)
MANAGEMENT / TROUBLESHOOTING TOOLS	Digi Navigator discovery and configuration tool, FTP client, SCP, protocol analyzer with PCAP for Wireshark, event logging with syslog and SMTP client, NTP/SNTP, Nagios, Intelliflow, iPerf, Dynamic DNS, ping, traceroute
MEMORY	256 MB RAM, 4 GB Flash
AUTHENTICATION	TACACS+, LDAP, Enterprise RADIUS

ENTERPRISE SOFTWARE	DESCRIPTION
CONNECTIVITY CAPABILITIES	
NETWORK PROTOCOL SUPPORT	HTTPS, FTP client, TLS v1.2, SCP (client and server), SFTP, SMTP client for use by scripts and the command line, SNMP (v2/v3), SSH, remote management via Digi Remote Manager; protocol analyzer, ability to capture PCAP for use with Wireshark; DynDNS, Dynamic DNS client compatible with BIND9/No-IP/DynDNS; captive portal, Intelliflow; Nagios, DNS server, NTP server, multicast, mDNS, IPerf
SERIAL AND DATA PROTOCOL SUPPORT	RealPort, socket and autoconnect socket connectivity for TCP and encrypted TCP, SSH, Telnet, UDP, Modbus, Pyserial support via built-in Python interpreter
SECURITY	IP filtering, stateful firewall, custom firewall rules (iptables), address and port translation; TLS 1.2 and above, FIPS 197, OpenVPN client and server; VPN tunnels; authentication: RADIUS, TACACS+; certificates; MAC address filtering; VLAN support
VPN	IPsec with IKEv1, IKEv2, NAT Traversal; OpenVPN client and server; GRE VPN tunnels; cryptology: SHA-1/256/384/512, MDS, RSA; encryption: 3DES and AES up to 256-bit (CBC mode for IPsec); Diffie Hellman: DH groups 1-32 (CURVE448)
ROUTING/FAILOVER	IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; GRE; multicast routing; routing protocols: RIP (v1, v2) OSPF, BGP, IP failover: VRRP; automatic failover; Digi SureLink®
OTHER PROTOCOLS	DHCP; dynamic DNS client compatible with No-IP/DynDNS

PRODUCT IMAGES AND DIMENSIONS

Digi Connect EZ 16

DIGI CONNECT EZ 16 — FRONT

DIGI CONNECT EZ 16 — BACK

Digi Connect EZ 32

DIGI CONNECT EZ 32 — FRONT

DIGI CONNECT EZ 32 — BACK

PART NUMBERS	DIGI CONNECT EZ 16
DIGI CONNECT EZ 16	
EZ16-A100	Digi Connect EZ 16 — serial server, 16-port, RS-232
EZ16-A100-EU	Digi Connect EZ 16 — serial server, 16-port, RS-232, EU power cord
EZ16-A100-US	Digi Connect EZ 16 — serial server, 16-port, RS-232, US power cord
DIGI CONNECT EZ 16 CELLULAR	
EZ16-A1G4	Digi Connect EZ 16 cellular — serial server, 16-port, RS-232, CMG4
EZ16-A1G4-EU	Digi Connect EZ 16 cellular — serial server, 16-port, RS-232, CMG4, EU power cord
EZ16-A1G4-US	Digi Connect EZ 16 cellular — serial server, 16-port, RS-232, CMG4, US power cord
DIGI CONNECT EZ 16 DUAL POWER	
EZ16-A200	Digi Connect EZ 16 dual power — serial server, 16-port, RS-232, dual AC power
EZ16-A200-EU	Digi Connect EZ 16 dual power — serial server, 16-port, RS-232, dual AC power, EU power cords
EZ16-A200-US	Digi Connect EZ 16 dual power — serial server, 16-port, RS-232, dual AC power, US power cords
DIGI CONNECT EZ 16 MEI	
EZ16-C100	Digi Connect EZ 16 MEI — serial server, 16-port, RS-232/422/485
EZ16-C100-EU	Digi Connect EZ 16 MEI — serial server, 16-port, RS-232/422/485, EU power cord
EZ16-C100-US	Digi Connect EZ 16 MEI — serial server, 16-port, RS-232/422/485, EU power cord
DIGI CONNECT EZ 16 MEI CELLULAR	
EZ16-C1G4	Digi Connect EZ 16 MEI cellular — serial server, 16-port, RS-232/422/485, CMG4
EZ16-C1G4-EU	Digi Connect EZ 16 MEI cellular — serial server, 16-port, RS-232/422/485, CMG4, EU power cord
EZ16-C1G4-US	Digi Connect EZ 16 MEI cellular — serial server, 16-port, RS-232/422/485, CMG4, US power cord
DIGI CONNECT EZ 16 MEI DUAL POWER	
EZ16-C200	Digi Connect EZ 16 MEI dual power — serial server, 16-port, RS-232/422/485, dual AC power
EZ16-C200-EU	Digi Connect EZ 16 MEI dual power — serial server, 16-port, RS-232/422/485, dual AC power, EU power cords
EZ16-C200-US	Digi Connect EZ 16 MEI dual power — serial server, 16-port, RS-232/422/485, dual AC power, EU power cords
DIGI CONNECT EZ 16 MEI CELLULAR DUAL POWER	
EZ16-C2G4	Digi Connect EZ 16 MEI cellular dual power — serial server, 16-port, RS-232/422/485, CMG4, dual AC power
EZ16-C2G4-EU	Digi Connect EZ 16 MEI cellular dual power — serial server, 16-port, RS-232/422/485, CMG4, dual AC power, EU power cords
EZ16-C2G4-US	Digi Connect EZ 16 MEI cellular dual power — serial server, 16-port, RS-232/422/485, CMG4, dual AC power, US power cords

PART NUMBERS	DIGI CONNECT EZ 32
DIGI CONNECT EZ 32	
EZ32-A100	Digi Connect EZ 32 — serial server, 32-port, RS-232
EZ32-A100-EU	Digi Connect EZ 32 — serial server, 32-port, RS-232, EU power cord
EZ32-A100-US	Digi Connect EZ 32 — serial server, 32-port, RS-232, US power cord
DIGI CONNECT EZ 32 CELLULAR	
EZ32-A1G4	Digi Connect EZ 32 cellular — serial server, 32-port, RS-232, CMG4
EZ32-A1G4-EU	Digi Connect EZ 32 cellular — serial server, 32-port, RS-232, CMG4, EU power cord
EZ32-A1G4-US	Digi Connect EZ 32 cellular — serial server, 32-port, RS-232, CMG4, US power cord
DIGI CONNECT EZ 32 DUAL POWER	
EZ32-A200	Digi Connect EZ 32 dual power — serial server, 32-port, RS-232, dual AC power
EZ32-A200-EU	Digi Connect EZ 32 dual power — serial server, 32-port, RS-232, dual AC power, EU power cords
EZ32-A200-US	Digi Connect EZ 32 dual power — serial server, 32-port, RS-232, dual AC power, US power cords
DIGI CONNECT EZ 32 MEI	
EZ32-C100	Digi Connect EZ 32 MEI — serial server, 32-port, RS-232/422/485
EZ32-C100-EU	Digi Connect EZ 32 MEI — serial server, 32-port, RS-232/422/485, EU power cord
EZ32-C100-US	Digi Connect EZ 32 MEI — serial server, 32-port, RS-232/422/485, US power cord
DIGI CONNECT EZ 32 MEI CELLULAR	
EZ32-C1G4	Digi Connect EZ 32 MEI cellular — serial server, 32-port, RS-232/422/485, CMG4
EZ32-C1G4-EU	Digi Connect EZ 32 MEI cellular — serial server, 32-port, RS-232/422/485, CMG4, EU power cord
EZ32-C1G4-US	Digi Connect EZ 32 MEI cellular — serial server, 32-port, RS-232/422/485, CMG4, US power cord
DIGI CONNECT EZ 32 MEI DUAL POWER	
EZ32-C200	Digi Connect EZ 32 MEI dual power — serial server, 32-port, RS-232/422/485, dual AC power
EZ32-C200-EU	Digi Connect EZ 32 MEI dual power — serial server, 32-port, RS-232/422/485, dual AC power, EU power cords
EZ32-C200-US	Digi Connect EZ 32 MEI dual power — serial server, 32-port, RS-232/422/485, dual AC power, US power cords
DIGI CONNECT EZ 32 MEI CELLULAR DUAL POWER	
EZ32-C2G4	Digi Connect EZ 32 MEI cellular dual power — serial server, 32-port, RS-232/422/485, CMG4, dual AC power
EZ32-C2G4-EU	Digi Connect EZ 32 MEI cellular dual power — serial server, 32-port, RS-232/422/485, CMG4, dual AC power, EU power cords
EZ32-C2G4-US	Digi Connect EZ 32 MEI cellular dual power — serial server, 32-port, RS-232/422/485, CMG4, dual AC power, US power cords

PART NUMBERS	ACCESSORIES
DIGI CORE PLUG-IN LTE MODEM	
1002-CMG4-GLB	Digi CORE plug-in LTE modem — global LTE Cat 4, 3G/2G fallback
ANTENNAS	
76000926	Cellular antenna — 3G/4G, multiband 699-2690 MHz, swivel
76002118	Cellular antenna — dipole, 4G, magnetic mount, 1 meter cable
POWER SUPPLY	
EZPS-AC	Second, spare or replacement power supply for DIgi Connect EZ 16 or Digi Connect EZ 32

PART NUMBERS	SERIAL CABLES AND ADAPTERS
ADAPTERS	
76000697	DB-9F console adapter, quantity 4
76000698	DB-25M console adapter, quantity 4
76000699	DB-25F console adapter, quantity 4
76000700	DB-25M modem adapter, quantity 4
76000701	DB-9M modem adapter, quantity 4
CABLES	
76000195	RJ-45 to DB-25 male straight, 4 feet
76000199	RJ-45 to DB-25 female straight, 4 feet
76000201	RJ-45 to DB-9 female straight, 4 feet
76000238	RJ-45 to DB-25 male crossover, 4 feet
76000240	RJ-45 to DB-9 male straight, 4 feet
76000264	RJ-45 to DB-9 male crossover, 4 feet
76000631	RJ-45 to RJ-45 for Sun Netra/Cisco, 6 feet
76000645	RJ-45 to DB-9 female crossover, 4 feet
76000723	Connects screw terminal EIA 422/485 devices to Digi MEI products that have 10-pin RJ-45 connectors

PART NUMBERS	DIGI REMOTE MANAGER*
DIGI REMOTE MANAGER PREMIER	
DIGI-RM-IM-PRM-1YR	Digi Remote Manager Premier — 1-year subscription
DIGI-RM-IM-PRM-3YR	Digi Remote Manager Premier — 3-year subscription
DIGI-RM-IM-PRM-5YR	Digi Remote Manager Premier — 5-year subscription
DIGI REMOTE MANAGER STANDARD	
DIGI-RM-IM-STD-1YR	Digi Remote Manager Standard — 1-year subscription

PART NUMBERS	EXPERT SUPPORT*
DG-EXPE-12	Expert 12x5 Support for end users
DG-EXPE-24	Expert 24x7 Support for end users

*1-year LifeCycle Assurance with 24x7 Expert Support and Digi Remote Manager Premier included with Digi Connect EZ 16 and 32 models.

DIGI SERVICE AND SUPPORT / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit www.digi.com/support.

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