



Manage this device with Digi Remote Manager

DIGI IX10

Rugged, reliable, cost-effective connectivity for critical industrial applications

Digi IX10 is a full-featured cellular router built for trouble-free reliability over a long service life. Its flexible power and connectivity options make it a versatile and cost-effective choice for industrial, digital signage, ATMs, lottery terminals, kiosks and other unattended retail applications that need to provide secure transactions.

Digi IX10 features an RJ-45 serial port supporting both RS-232 and RS-485, as well as dual SIMs for redundant connection. It can operate independently on LTE networks, with features to assist in network control and management, such as VLAN support, load balancing between cellular and Ethernet WANs, dual APNs and configurable APN search. Digi IX10 also offers low-touch and no-touch provisioning.

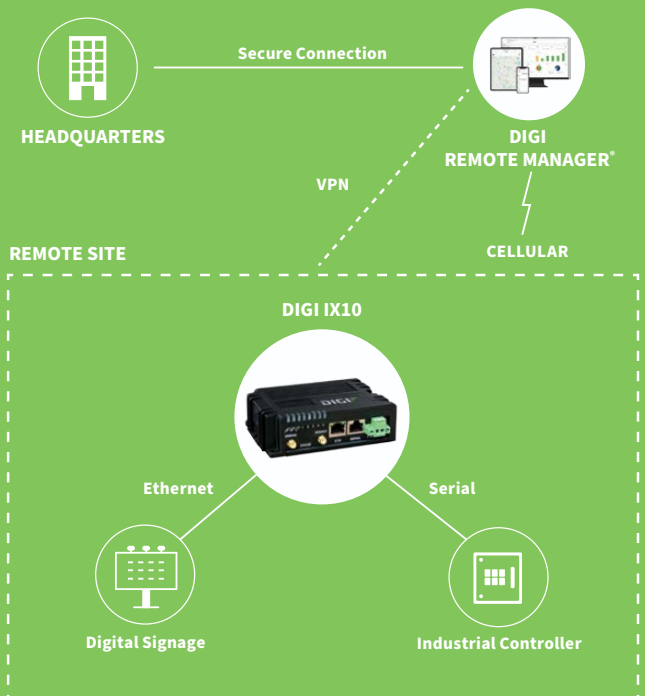
Gain critical insights into your deployed devices and manage your network with Digi Remote Manager® (Digi RM) — the command center for your deployment. Digi RM is a cloud-based solution that facilitates easy setup, mass configuration, maintenance and support, even for thousands of devices. Digi RM empowers you to evaluate, update and configure your Digi enterprise products, while providing easy visibility into the health of your network.

In the event of an interruption to your primary network connection, Digi RM also provides secure terminal access for out-of-band management access to edge devices via Digi IX10 via serial port and command-line interface. In addition, Digi IX10 offers the convenience of a global SKU which simplifies inventory control for global distribution and deployment.

FEATURES AND BENEFITS

- Compact and economical cellular routing platform with industrial feature set
- Redundant connectivity with dual SIMs and Digi SureLink®
- Global and regional bands with single part number to simplify distribution, deployment and management
- Built-in Digi TrustFence® for device security, device identity and data privacy
- Digi Remote Manager® platform for easy setup, mass configuration and out-of-band management
- Ethernet port and single RJ-45 serial port (RS-232/485)

APPLICATION EXAMPLE



RELATED PRODUCTS



SPECIFICATIONS

DIGI IX10

CELLULAR

CERTIFICATIONS

Visit www.digi.com/resources/certifications for latest certifications

LTE CAT 4 GLOBAL (G4)

LTE Cat 4 Global: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40, B41;
3G: B1, B2, B4, B5, B6, B8, B19;
2G EDGE / GPRS: 850 / 900 / 1800 / 1900 MHz

LTE CAT 4 REGIONAL — NORTH AMERICA (N4)

LTE Cat 4 Regional — North America: B2, B4, B5, B12, B13, B14, B66, B71;
3G: B2, B4, B5

CONNECTORS

(2) 50 Ω SMA (center pin: female)

SIM SLOTS

(2) Mini-SIM (2FF)

SIM SECURITY

Behind SIM cover, secured with screw (#1 Phillips)

SOFTWARE AND MANAGEMENT

REMOTE MANAGEMENT

Digi Remote Manager®; SNMP v2/v3 (user installed/managed)

LOCAL MANAGEMENT

WebUI (HTTP/HTTPS); CLI (Telnet, SSH)

MANAGEMENT/
TROUBLESHOOTING TOOLS

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, 256 MB flash

ETHERNET

PORTS

(1) RJ-45; 10/100 Mbps (auto-sensing)

SERIAL

PORTS

(1) RJ-45 10-pin (10P10C); RS-232/485; software selectable
- RS-232 DTE (RXD, TXD, RTS, CTS, DTR, DCD, DSR, RI)
- RS-485 (TX/RX+; RX/TX-); half-duplex

PHYSICAL

DIMENSIONS (L x W x H)

118 mm x 88 mm x 35 mm (4.65 in x 3.46 in x 1.38 in)

WEIGHT

0.39 kg (0.86 lb)

STATUS LEDs

Power, Internet, SIM 1, SIM 2, SIM fail, LTE, signal strength (5)

ENCLOSURE

Glass-filled polyphenylene sulphide (PPS) / IP30

POWER REQUIREMENTS

POWER INPUT

9 - 30 VDC, 1.0 A maximum

POWER CONSUMPTION

2.5 W typical (idle); 6 W typical (peak Tx/Rx)

ACCESSORIES

AVAILABLE ACCESSORIES

Accessories not included. Available accessories: industrial extended temperature or commercial power supply (required), and cellular antennas, DIN rail clip and EIA 422/485 to RJ-45 connector (recommended / optional)

ENVIRONMENTAL

OPERATING TEMPERATURE

-40° C to 70° C (-40° F to 158° F); device performance may be impacted above 50° C (122° F)

STORAGE TEMPERATURE

-40° C to 85° C (-40° F to 185° F)

RELATIVE HUMIDITY

5% to 95% (non-condensing)

APPROVALS

CELLULAR

Visit www.digi.com/resources/certifications for latest cellular certifications

SAFETY

IEC 62368-1, CB, EN6 2311

ENVIRONMENTAL

ROHS3

EMISSIONS / IMMUNITY

CE; RED; FCC Part 15, Subpart B; ICES-003; AU/NZS CISPR32

WARRANTY

PRODUCT WARRANTY

3-year*

*Standard 3-year warranty upgradeable to 5 years with purchase of a Digi Remote Manager Premier 5-year subscription applicable to the product purchased only at the time of product purchase and with product registration at that time in Digi Remote Manager.

ENTERPRISE SOFTWARE

DESCRIPTION

CELLULAR CONNECTIVITY

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, IPPerf
SECURITY	IP filtering, stateful firewall, custom firewall rules (iptables), address and port translation; TLS 1.2 and above, 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, MD5, 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; 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

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
- Keep tabs on device health and connectivity 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

- More than 175 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

PART NUMBERS

DIGI REMOTE MANAGER[®]

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

PRODUCT IMAGES

FRONT



BACK



PART NUMBERS

DIGI IX10

DIGI IX10 MODELS

IX10-00G4	Digi IX10 — LTE Cat 4 Global, Ethernet, RS-232/485
IX10-00N4	Digi IX10 — LTE Cat 4 Regional (North America), Ethernet, RS-232/485

PART NUMBERS

AVAILABLE ACCESSORIES*

REQUIRED ACCESSORIES (INDUSTRIAL OR COMMERCIAL POWER SUPPLY)

76002104	Industrial extended temperature power supply with plug tips for US, UK, EU, AU; -20° to 70° C (-4° to 158° F)
76002117	Commercial temperature power supply with plug tips for US, UK, EU, AU; 0° to 40° C (32° to 104° F)

RECOMMENDED AND OPTIONAL ACCESSORIES

76002103	(1) Cellular antenna, order quantity 2
76002095	DIN rail clip kit
76000723	Connect EIA 422/485 devices to Digi products that have 10-pin RJ-45 connectors**

*Accessories not included with IX10 models unless otherwise noted.

**For RS-232 cabling pinouts and recommended cables, please refer to the Digi products cabling guide at: www.digi.com/resources/documentation/Digidocs/PDFs/90000253.pdf



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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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