



Digi IX10

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

Digi IX10 is a full-featured industrial cellular router built for trouble-free reliability over a long service life — easy to deploy and centrally managed via **Digi Remote Manager**® (Digi RM), which is included in your **Digi 360** solution. (See page 2.)

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 over public and private cellular networks.

Digi IX10 can operate on public and private LTE networks, with features to assist in network control and management, such as dual SIMs for cellular failover connectivity, VLAN support, load balancing between cellular and Ethernet WANs, dual APNs and configurable APN search.

Digi IX10 features one Ethernet port and one RJ-50 serial port supporting both RS-232 and RS-485. In the event of an interruption to your primary network connection, Digi RM also provides secure out-of-band management of edge devices via Digi IX10's serial port and command-line interface.

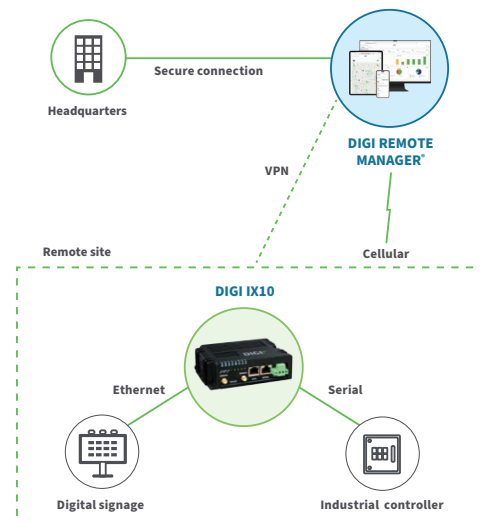
Gain critical insights into your deployed devices and manage your network with Digi RM — the command center for your deployment. Digi RM is a cloud-based solution that facilitates easy setup, mass configuration, maintenance and support, even for thousands of devices. Digi RM empowers you to evaluate, update and configure your Digi products, while providing easy visibility into the health of your network. It also offers low-touch and no-touch provisioning.

Digi IX10 offers the convenience of a global SKU for simplified global distribution and deployment, as well as cost-optimized SKUs for North America, including a CBRS-only SKU.

Key features, benefits and applications

- Compact and economical connectivity solution with industrial feature set for public and private cellular networks
- Redundant connectivity with dual SIMs and **Digi SureLink**®
- Global and regional bands with single part number to simplify distribution, deployment and management
- Meets U.S. government **FIPS 140-2** cybersecurity standard
- Built-in **Digi TrustFence**® for device security, device identity and data privacy
- **Digi Containers** to enable powerful, cost-efficient applications
- Includes the **Digi 360** solution with warranty, customer care and **Digi Remote Manager** cloud management, enabling easy setup, mass configuration and management
- Ethernet port and single RJ-50 serial port (RS-232/485)
- C1D2 rated with IP30 enclosure

Application example



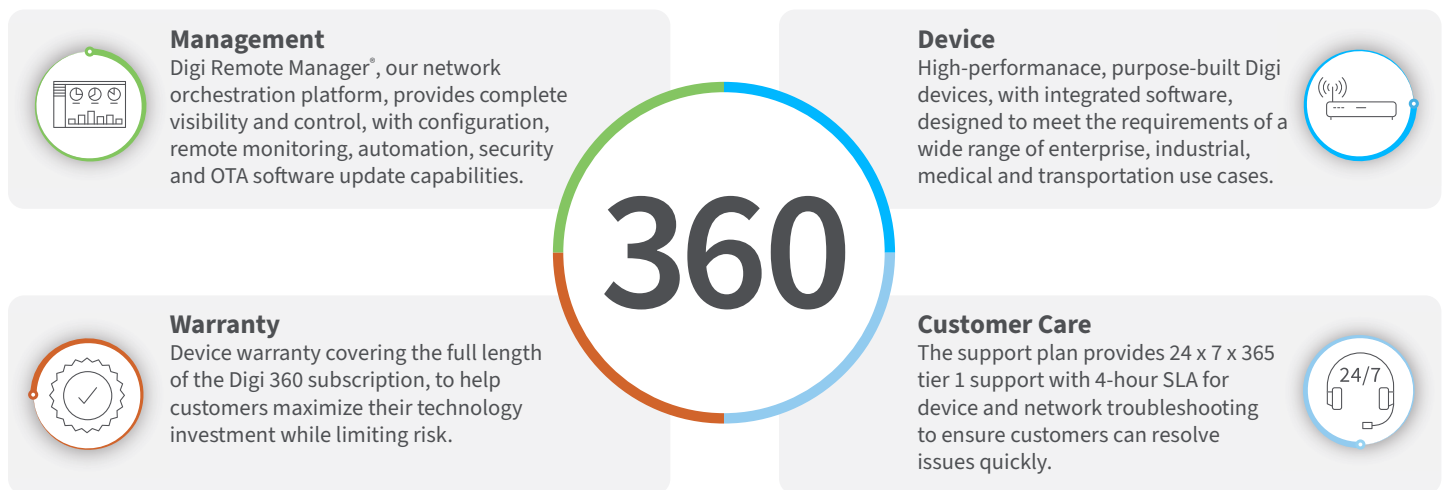
Related Digi industrial IoT software and solutions



DIGI IX10 WITH DIGI 360

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 IX10**, complete with Digi Remote Manager, warranty and customer care. [Learn more at digi.com/digi360](http://digi.com/digi360).



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 value-added services with Digi Remote Manager.

DIGI IX10 WITH DIGI 360

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](https://www.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](https://www.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](https://www.digi.com/trustfence).



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 nttcp 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

DIGI IX10 WITH DIGI 360 Specifications



Manage and configure Digi IX10
with Digi Remote Manager

SPECIFICATIONS		DIGI IX10 WITH DIGI 360*
CELLULAR		
CERTIFICATIONS**	Visit 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	
LTE-ADVANCED CAT 6 CBRS-ONLY — NORTH AMERICA (C6)	LTE-Advanced Cat 6 CBRS-only — North America: B42, B43, B48 (CBRS)	
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 (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-50 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, reverse polarity protection, 1.0 A maximum	
POWER CONSUMPTION	Configurable low-power modes; 1.5 W (light traffic flow), 2.5 W (peak data transmission); 1.25 W (low power mode, idle traffic)	
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)	

*Includes the [Digi 360](#) solution for [Digi IX10](#) (1-year) with [Digi Remote Manager](#), [warranty](#) and [customer care](#).

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

DIGI IX10 WITH DIGI 360

Specifications and Technologies



Manage and configure Digi IX10 with Digi Remote Manager

SPECIFICATIONS	DIGI IX10 WITH DIGI 360*
APPROVALS**	
CELLULAR	Visit digi.com/resources/certifications for latest cellular certifications and updates
SAFETY	IEC 62368-1, CB, EN 62311, UL 121201 9th Editio, CAN/CSA C22.2 NO.213-17
ENVIRONMENTAL	ROHS3
EMISSIONS / IMMUNITY	CE; RED; FCC Part 15, Subpart B; ICES-003; AU/NZS CISPR32
WARRANTY***	
PRODUCT WARRANTY	1-year

*Includes the **Digi 360** solution for **Digi IX10** (1-year) with **Digi Remote Manager**, **warranty** and **customer care**.

**Visit digi.com/resources/certifications for latest approvals and updates.

***Product warranty can be extended with **Digi 360** extensions or renewals.

ENTERPRISE SOFTWARE	DESCRIPTION
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

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

Featured Technologies



Product photos

Digi IX10 – front



Digi IX10 – back



DIGI IX10 WITH DIGI 360

Part Numbers

PART NUMBERS		DIGI IX10 WITH DIGI 360*
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
IX10-00C6		Digi IX10 — LTE-Advanced Cat 6 CBRS-only (North America), Ethernet, RS-232/485

*Includes the [Digi 360](#) solution for [Digi IX10](#) (1-year) with [Digi Remote Manager](#), [warranty](#) and [customer care](#).

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

**Sold separately, unless otherwise noted.

PART NUMBERS		DIGI 360 EXTENSIONS AND RENEWALS
DIGI360-IX10-EXT-2YR		Digi 360 extension for two additional years for Digi IX10
DIGI360-IX10-EXT-4YR		Digi 360 extension for four additional years for Digi IX10
DIGI360-IX10-REN-1YR		Digi 360 renewal for one additional year for Digi IX10
DIGI360-IX10-REN-3YR		Digi 360 renewal for three additional years for Digi IX10
DIGI360-IX10-REN-5YR		Digi 360 renewal for five additional years for Digi IX10

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 IX10,
visit digi.com/ix10.

877-912-3444 | 952-912-3444

