



Digi IX40

5G edge computing industrial IoT cellular router solution, purpose-built for Industry 4.0

Digi IX40 is a 5G edge computing industrial IoT router solution, integrated with **Digi Remote Manager*** (Digi RM) to empower rapid processing, analysis, and integration of industrial asset data on 5G public and private cellular networks.

Purpose-built for **Industry 4.0**, Digi IX40 supports the 5G connectivity and edge intelligence needed to enable numerous use cases ranging from predictive maintenance and asset monitoring to machine learning and advanced robotics. It seamlessly connects multiple machines, whether wired or wireless, in the most demanding environments, optimizing integration of cloud-delivered operational technology (OT) services with information technology (IT) to streamline complex operations and scale IT infrastructure.

With its all-in-one design, strong computing power and integrated memory, Digi IX40 offers substantial capabilities for real-time data processing, edge computing and advanced precision while reducing complexity and total cost of ownership. **Digi Containers** facilitate potent and cost-effective applications, providing additional flexibility and scalability for Industry 4.0, energy, smart cities and other uses.

The Digi IX40 solution offers **FirstNet Capable**™ models designed to meet the demands of critical applications where reliability is essential for industrial use cases and emergency response. Additional use cases include manufacturing process automation, precision monitoring and control, industrial automation, utilities and traffic management.

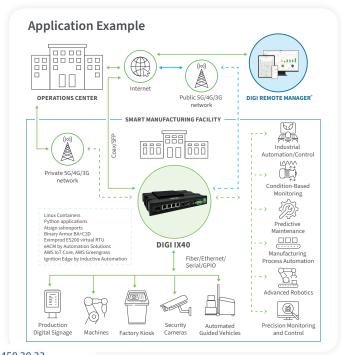
Gain critical insights and manage your network with Digi RM — the cloud-based command center for your deployment. Digi RM also provides secure terminal access for out-of-band management of edge devices via serial port and command-line interface.

Related Digi industrial IoT software and solutions



Key features, benefits and applications

- Global 5G and LTE support and certification on major carriers
- **Digi Containers** to enable powerful, cost-efficient applications
- Integrated industrial edge computing capabilities for hosting containerized applications and custom solutions
- Support for CBRS and global private 5G networking deployments
- Ethernet, SFP, serial, I/O and Modbus bridging
- Extremely resilient cellular connection through Digi's patented
 SureLink*, VRRP+ protocol and dual SIM slots
- GNSS receiver supporting GPS, GLONASS, BeiDou and Galileo
- License-free enterprise software: VPN, firewall, logging and authentication
- Digi Remote Manager platform for easy setup, mass configuration and management
- · Rugged enclosure with options for DIN rail or shelf mounting
- Digi WAN Bonding for WAN aggregation and immediate failover







Management

Digi Accelerated Linux (DAL OS) and Digi Remote Manager (Digi RM)

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.

Digi Remote Manager

Digi Remote Manager (Digi RM) 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.

Digi RM 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 are available to support application development

Digi RM Security

- · 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



DAL OS and Digi RM Capabilities

- DAL OS with Digi Remote Manager: Remote console access, Configuration Manager, 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 tools: iPerf and nuttcp bandwidth testing, Find Me tool
- GNSS: NMEA/TAIP location forwarding to multiple servers, geofencing
- 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



Security and Value-Added Services

Digi TrustFence



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 digi.com/trustfence.

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

- **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: TrustFence 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 network data.
- Ongoing monitoring and support: Digi provides ongoing threat measurement and monitoring services and performs external security audits.

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 WAN Bonding



Resilient connectivity and maximum performance across multiple connections

Digi WAN Bonding combines multiple connections into a seamless and resilient connectivity solution that ensures optimal performance and maximum uptime anywhere around the world.

Digi devices provide a range of connectivity options including cellular failover with features such as **Digi SureLink**, policy-based routing and interface bonding. These features are excellent at preventing any external network failures from causing downtime.



^{*}Digi Containers and Digi WAN Bonding are available as a subscription added to Digi Remote Manager Premier.

Specifications



Manage and configure Digi IX40 with Digi Remote Manager

MAY	SPECIFICATIONS	DIGI IX40
SE RIB bander, II., 71, 71, 77, 77, 77, 79, 712, 113, 714, 714, 713, 715, 717, 717, 717, 717, 717, 717, 717	WIRELESS INTERFACES	
INTRO-DIS SO NSA, SG NSA, SG NSA, 46 LTE-ADVANCED PRO CAT 19 40 LTE-ADVANCED PRO CAT 12, 36 HSPA+	CELLULAR / WWAN	
Sac Just Sac Just Sac Last Sac	IX40-05: 5G NSA, 5G SA, 4G LTE-ADVANCED PRO CAT 19	n78, n79, C-band 4G LTE-Advanced Pro bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14 FirstNet*, B17, B20, B25, B26, B28, B29, B30, B32, B38, B40, B41, B42, B43, B46, B48 CBRS, B66, B71
SIM SLOTS (2) SIM Nano-SIM (4FF) holders SIM SECURITY SIM slot cover plate included GINSS TECHNOLOGY GINSS Gen 9 with band L1LNA for passive antenna use Upper L-band: GPS L1; Glonass G1; Beidou B1; Gallieo E1 DM40-06: supports passive GNSS antennas rated at 1.5 - 3 dBi only DM40-06: supports passive GNSS antennas rated at 1.5 - 3 dBi only DM40-06: Supports passive GNSS antennas rated at 1.5 - 3 dBi or active antennas with 7.5 - 26 dB gain PROTOCOL NMEA 4.11 and TAIP CONNECTOR (1) S0 Ω SMA center pin: female WIRED INTERFACES ETHERNET PORTS / CONNECTOR (4) BJ-45; 10/100/1000 Mbps Base-T (auto-sensing); IEEE 802.3; configurable as WAN or LAN 1/0 PORTS / CONNECTOR (2) ligital input/outputs; (2) analog inputs (0 - 10 V; 4 - 20 mA; 12-bit resolution) SEP PORTS / CONNECTOR (2) 1 Gb capable SFP sockets SERIAL PORTS / CONNECTOR (1) RS-232/422/485; DB-9 male (DTE) SOFTWARE AND MANAGEMENT DIG Remote Manager (cloud based); SNIMP v1/v2c/v3 (user installed/managed), SMS LOCAL MANAGEMENT DOLS SFT, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM' Cortex*-A53 processor MEMORY RAM / FLASH 1.69 / 8 GB PHYSYSCAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	IX40-04: 4G LTE-ADVANCED PRO CAT 12, 3G HSPA+	B42, B43, B48 CBRS, B66, B71
SIM SECURITY SIM slot cover plate included GNSS TECHNOLOGY GNSS Gen 9 with band LLLNA for passive antenna use ANTENNA AUppert-band: GPSL1; Glonass G1; Belidou B1; Gallieo E1 LM40 04: supports passive (NSS antennas rated at 1.5 - 3 dBi only M40 05: supports passive (NSS antennas rated at 1.5 - 3 dBi only M40 05: supports passive (NSS antennas rated at 1.5 - 3 dBi or active antennas with 7.5 - 26 dB gain PROTOCOL NMEA 4.11 and TAIP CONNECTOR (1) 50 \(\Omega \text{ MA A center pin: female} \) WIRED INTERFACES ETHERNET PORTS / CONNECTOR (4) RJ-45; 10/100/1000 Mbps Base-T (auto-sensing); IEEE 802.3; configurable as WAN or LAN VO PORTS / CONNECTOR (2) Digital input/outputs; (2) analog inputs (0 - 10 V; 4 - 20 mA; 12-bit resolution) SFP PORTS / CONNECTOR (2) 1 Gb capable SFP sockets SERIAL PORTS / CONNECTOR (3) RS-232/422/485; DB-9 male (DTE) SOFTWARE AND MANAGEMENT REMOTE MANAGEMENT Digit Remote Manager (cloud based); SNMP v1/v2c/v3 (user installed/managed), SMS LOCAL MANAGEMENT Web UI (HTTPS); CLI (SSH, serial) MANAGEMENT TOOLS SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM' Cortex*-A53 processor MEMORY RAM/ FLASH 1.6B / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 ib) STATUS LEDS Power, WWAN, Ethernet (link, activity)	CONNECTORS	(2) or (4) 50 Ω SMA center pin: female
TECHNOLOGY GNSS Gen 9 with band L1 LNA for passive antenna use ANTENNA Upper L-band: GPS L1; clionass G1; eleidou B1; Gailleo E1 JR40-04: supports passive GNSS antenna rated at 1.5 - 3 dBi only JR40-05: supports passive GNSS antenna rated at 1.5 - 3 dBi on active antennas with 7.5 - 26 dB gain NMEA 4.11 and TAIP CONNECTOR (1) 50 G SMA center pin; female WIRED INTERFACES ETHERNET PORTS / CONNECTOR (4) R.3-45; 10/100/1000 Mbps Base-T (auto-sensing); IEEE 892.3; configurable as WAN or LAN 1/0 PORTS / CONNECTOR (2) Digital input/outputs; (2) analog inputs (0 - 10 V; 4 - 20 mA; 12-bit resolution) SEP PORTS / CONNECTOR (2) 1 Gb capable SFP sockets SERIAL PORTS / CONNECTOR (1) RS-232/422/485; DB-9 male (DTE) SOFTWARE AND MANAGEMENT REMOTE MANAGEMENT Digit Remote Manager (cloud based); SNMP V1/V2C/V3 (user installed/managed), SMS LOCAL MANAGEMENT Web UI (HTTPS); CLI (SSH, serial) MANAGEMENT TOOLS SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR L6 GHz quad-core LMX 8M Plus ARM* Cortex*-A53 processor MEMORY REMM / FLASH 1 GB / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT STATUS LEDS POWER, WWAN, Ethernet (link, activity)	SIM SLOTS	(2) SIM Nano-SIM (4FF) holders
ANTENNA See 9 with band L1 LNA for passive antenna use Upper L-band: GPS L1; Glonass G1; Beidou B1; Gallieo E1 LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of NSS antennas rated at 1.5 - 3 dBi only LX40-04: supports passive of N	SIM SECURITY	SIM slot cover plate included
ANTENNA Upper L-band: GPS L1; Glonass G1; Beidou B1; Galileo E1 M40-04; supports passive GNSS antennas rated at 1.5 - 3 dBi only M40-05; supports passive GNSS antennas rated at 1.5 - 3 dBi or active antennas with 7.5 - 26 dB gain NMEA 4.11 and TAIP CONNECTOR (1) 50 \(\text{SMA}\) SMA center pin: female WIRED INTERFACES ETHERNET PORTS / CONNECTOR (2) Digital input/outputs; (2) analog inputs (0 - 10 V; 4 - 20 mA; 12-bit resolution) SEP PORTS / CONNECTOR (2) 1 Gb capable SFP sockets SERIAL PORTS / CONNECTOR (2) 1 Gb capable SFP sockets SERIAL PORTS / CONNECTOR (1) RS-232/422/485; DB-9 male (DTE) SOFTWARE AND MANAGEMENT REMOTE MANAGEMENT Digit Remote Manager (cloud based); SNMP v1/v2c/v3 (user installed/managed), SMS LOCAL MANAGEMENT MANAGEMENT OOLS SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processor MEMORY RAM / FLASH 1.6 GB B PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT STATUS LEDS Power, WWAN, Ethernet (link, activity)	GNSS	
ANTENNA IX40-04: supports passive GNSS antennas rated at 1.5 - 3 dBi only IX40-06: supports passive GNSS antennas rated at 1.5 - 3 dBi or active antennas with 7.5 - 26 dB gain PROTOCOL NME4.11 and TAIP CONNECTOR (1) 50 Ω SMA center pin: female WIRED INTERFACES ETHERNET PORTS / CONNECTOR (4) RJ-45; 10/100/1000 Mbps Base-T (auto-sensing); IEEE 802.3; configurable as WAN or LAN //O PORTS / CONNECTOR (2) Digital input/outputs; (2) analog inputs (0 - 10 V; 4 - 20 mA; 12-bit resolution) SEP PORTS / CONNECTOR (2) 1 Gb capable SFP sockets SERIAL PORTS / CONNECTOR (1) RS-232/422/485; DB-9 male (DTE) SOFTWARE AND MANAGEMENT REMOTE MANAGEMENT Digi Remote Manager (cloud based); SNMP v1/v2c/v3 (user installed/managed), SMS LOCAL MANAGEMENT Web UI (HTTPS); CLI (SSH, serial) MANAGEMENT TOOLS SFP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processor MEMORY RAM / FLASH 1 6B / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS POWER, WWAN, Ethernet (link, activity)	TECHNOLOGY	GNSS Gen 9 with band L1 LNA for passive antenna use
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PORTS / CONNECTOR (1) RS-232/422/485; DB-9 male (DTE) SOFTWARE AND MANAGEMENT REMOTE MANAGEMENT Digi Remote Manager (cloud based); SNMP v1/v2c/v3 (user installed/managed), SMS LOCAL MANAGEMENT Web UI (HTTPS); CLI (SSH, serial) MANAGEMENT TOOLS SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processor MEMORY RAM / FLASH 1 GB / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	PORTS / CONNECTOR	(2) 1 Gb capable SFP sockets
REMOTE MANAGEMENT Digi Remote Manager (cloud based); SNMP v1/v2c/v3 (user installed/managed), SMS LOCAL MANAGEMENT Web UI (HTTPS); CLI (SSH, serial) MANAGEMENT TOOLS SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processor MEMORY RAM / FLASH 1 GB / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	SERIAL	
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PROCESSOR APPLICATION PROCESSOR 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processor MEMORY RAM / FLASH 1 GB / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	LOCAL MANAGEMENT	Web UI (HTTPS); CLI (SSH, serial)
APPLICATION PROCESSOR MEMORY RAM / FLASH PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processor 1.6 GHz quad-core i.MX 8M Plus ARM* Cortex*-A53 processo	MANAGEMENT TOOLS	SFTP, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog
MEMORY RAM / FLASH 1 GB / 8 GB PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	PROCESSOR	
RAM / FLASH 1 GB / 8 GB PHYSICAL DIMENSIONS WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	APPLICATION PROCESSOR	1.6 GHz quad-core i.MX 8M Plus ARM® Cortex®-A53 processor
PHYSICAL DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	MEMORY	
DIMENSIONS 234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in) WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	RAM / FLASH	1 GB / 8 GB
WEIGHT 1.14 kg (2.51 lb) STATUS LEDS Power, WWAN, Ethernet (link, activity)	PHYSICAL	
STATUS LEDS Power, WWAN, Ethernet (link, activity)	DIMENSIONS	234 mm x 154 mm x 41 mm (9.21 in x 6.06 in x 1.61 in)
	WEIGHT	1.14 kg (2.51 lb)
ENCLOSURE / RATING Glass-filled polyphenylene sulphide: IP30 -40 °C to 85 °C (-40 °F to 185 °F)	STATUS LEDS	Power, WWAN, Ethernet (link, activity)
	ENCLOSURE / RATING	Glass-filled polyphenylene sulphide; IP30 −40 °C to 85 °C (−40 °F to 185 °F)



Specifications and Technologies



Manage and configure Digi IX40 with Digi Remote Manager

SPECIFICATIONS	DIGI IX40
POWER REQUIREMENTS	
POWER INPUT	12 – 30 VDC
POWER CONNECTOR	Screw down removable terminal block
POWER CONSUMPTION	4.5 W (light traffic), 8 W (peak data), 3.5 W (idle traffic)
ENVIRONMENTAL	
OPERATING TEMPERATURE	-30 °C to 70 °C (-22 °F to 158 °F)
STORAGE TEMPERATURE	-45 °C to 85 °C (-49 °F to 185 °F)
RELATIVE HUMIDITY	0% to 95% (non-condensing) at 25 °C (77 °F)
APPROVALS*	
CELLULAR	PTCRB, AT&T, FirstNet Capable™, T-Mobile, Verizon
SAFETY	IEC 62368-1, CB scheme
EMISSIONS / IMMUNITY	FCC Part 15 Subpart B, ISED, CE, RED, UKCA
WARRANTY	
PRODUCT WARRANTY	3-year**

^{*}Visit digi.com/resources/certifications for latest updates.

^{**}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
PROTOCOL SUPPORT	HTTPS, TLS, SCP (client and server), SFTP, SNMP (v3), SSH, Telnet and CLI for web management; remote management via Digi Remote Manager ; protocol analyzer, ability to capture PCAP for use with Wireshark; DynDNS, Dynamic DNS client compatible with No-IP/DynDNS; Captive portal, Intelliflow; Nagios, DNS server, NTP server, Multicast, mDNS, IPerf
SECURITY / VPN	IP filtering, stateful inspection firewall with scripting, address and port translation; VPN: IPSec with IKEv1, IKEv2, NAT Traversal; SSLv3, FIPS 197, Open VPN client and server; L2TP; VPN tunnels; cryptology: SHA-1, MD5, RSA; encryption: DES, 3DES and AES up to 256-bit (CBC mode for IPsec); authentication: RADIUS, TACACS+, SCEP for X.509; certificates; content filtering (via 3rd party); MAC address filtering; VLAN support
ROUTING	IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; GRE; multicast routing; routing protocols: PPP, PPPoE, RIP (v1, v2) OSPF, BGP, iGMP routing (multicast); IP failover: VRRP, VRRP+TM; automatic failover/failback to second GSM network/standby APN; Digi SureLink
EMISSIONS / IMMUNITY	DHCP; Dynamic DNS client compatible with No-IP/DynDNS; QoS via TOS/DSCP; Modbus UDP/TCP to serial; Modbus bridging for connecting diverse field assets

Featured Technologies







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Product Photos

Digi IX40 Photos



Digi IX40 — front



Digi IX40 — back





Part Numbers

PART NUMBERS	DIGI IX40
IX40-05	Digi IX40 — 5G with LTE-Advanced Pro Cat 19 4x4 and 3G fallback, quad Ethernet, RS-232/422/485, GNSS, FirstNet Capable™
IX40-04	Digi IX40 — 4G LTE-Advanced Pro Cat 12 with 3G fallback, quad Ethernet, RS-232/422/485, GNSS

PART NUMBERS	AVAILABLE ACCESSORIES*
76002147	Digi IX40 5G Industrial Starter Kit — includes 30 W power supply and 4 wideband cellular antennas
76002148	Digi IX40 LTE Industrial Starter Kit — includes 30 W power supply and 2 wideband cellular antennas
76002093	DIN rail mounting bracket kit

^{*}Sold separately, unless otherwise noted.

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 subscription	
DIGI-SRV-WB-TIER1-1YR	Digi WAN Bonding subscription with 100 Mbps max throughput $-$ 1-year subscription	
DIGI-SRV-WB-TIER2-1YR	Digi WAN Bonding subscription with 200 Mbps max throughput -1 -year subscription	
DIGI-SRV-WB-TIER3-1YR	${\tt Digi\ WAN\ Bonding\ subscription\ with\ 1\ Gbps\ max\ throughput-1-year\ subscription}$	



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For more information, please visit digi.com.



For more information about Digi IX40, visit digi.com/ix40.

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