



Manage this device with Digi Remote Manager

DIGI IX14

Cloud-managed networking for the Industrial IoT

Digi® IX14 is a rugged, secure and reliable LTE industrial router powered by an enhanced operating system that supports any utility or industrial application. Digi IX14 is ideal for connecting process automation controllers, telco infrastructure controllers, sensing equipment and remote data loggers.

Leading edge scripting and custom business logic using Open Source Python 3.6 facilitates custom edge computing. Because many IoT devices are subject to attack, **Digi TrustFence®** device-security framework is built in to protect your investments far into the field.

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 visibility into the health of your network, whether you deploy dozens or thousands of devices.

FEATURES AND BENEFITS

- LTE Cat 1 with dual SIM for carrier failover and flexibility
- Single Ethernet and single serial (RS-232) port
- Flexible 9-30 VDC power input
- MIL-STD-810G certified for shock, vibration, temperature
- IP54 rated for dust and water resistance
- **Digi Remote Manager®** platform for easy setup, mass configuration and management
- **Digi TrustFence®** security: authenticated boot, dedicated security co-processor, encrypted data storage, unique default passwords and certificate management

RELATED PRODUCTS



APPLICATION EXAMPLE



SPECIFICATIONS

DIGI IX14

CELLULAR	
LTE – EMEA (L3)	LTE Cat 1 FDD: 700 (B28)/800 (B20)/900 (B8)/1800 (B3)/2100 (B1)/2600 (B7) 3G: 900 (B8)/1800 (B3)/2100 (B1) MHz 2G EDGE: 900 (B8)/1800 (B3) Transfer rate (max): 10 Mbps down, 5 Mbps up
LTE – EMEA (M3)	LTE Cat 1: 800 (B20)/900 (B8)/1800 (B3)/2100 (B1)/2600 (B7) 2G EDGE: 900/1800 MHz Transfer rate (max): 10 Mbps down, 5 Mbps up
LTE – UNITED STATES (M4)	LTE Cat 1: 700 (B12)/850 (B5,B26)/AWS (B4)/1900 (B2,B25) Transfer rate (max): 10 Mbps down, 5 Mbps up Approvals: Sprint
LTE – NORTH AMERICA (M6)	LTE Cat 1: 700 (B12,B13)/850 (B5)/AWS (B4)/1900 (B2) HSPA+: 850/1900 MHz Transfer rate (max): 10 Mbps down, 5 Mbps up Approvals: PTCRB, AT&T, Verizon
LTE – ANZ/LATAM (M9)	LTE Cat 1: 700 (B28)/850 (B5)/900 (B8)/1800 (B3)/2100 (B1) 3G HSPA+: 850/900/2100 MHz Transfer rate (max): 10 Mbps down, 5 Mbps up
CONNECTORS	(2) 50 Ω SMA (center pin: female)
SIM SLOTS	(2) Mini-SIM (2FF)
SIM SECURITY	Screw-down SIM cover
SOFTWARE AND MANAGEMENT	
REMOTE MANAGEMENT	Digi Remote Manager®; SNMP v2/v3 (user installed/managed)
LOCAL MANAGEMENT	WebUI (HTTP/HTTPS); CLI (Telnet, SSH, SMS)
MANAGEMENT/ TROUBLESHOOTING TOOLS	FTP client, SCP; protocol analyzer with PCAP for Wireshark; event logging with Syslog and SMTP client; NTP/SNTP
MEMORY	50 MB RAM, 100 MB file space
ETHERNET	
PORTS	(1) RJ-45; 10/100 Mbps (auto-sensing)
SERIAL	
PORTS	(1) DB09M; RS-232 DTE SIGNAL SUPPORT TXD, RXD, RTS, CTS, DTR, DCD, DSR, RI software (XON/XOFF), hardware supported
PHYSICAL	
DIMENSIONS (L X W X H)	7.62 cm x 13.97 cm x 4.128 cm (3 in x 5.5 in x 1.625 in)
WEIGHT	.22 kg (0.5 lb)
STATUS LEDS	Power on, WWAN signal strength, WWAN service
ENCLOSURE	Die-cast aluminium / IP54
POWER REQUIREMENTS	
POWER INPUT	9-30 VDC, 9 W minimum power source required
POWER CONSUMPTION	3.0 W typical (Idle); 9 W typical (Peak Tx/Rx)
ENVIRONMENTAL	
OPERATING TEMPERATURE	-34° C to 74° C (-29.2° F to 165.2° F)
RELATIVE HUMIDITY	5% to 95% (non-condensing)
APPROVALS	
CELLULAR	PTCRB
SAFETY	UL 60950, CSA 22.2 No. 60950, EN60950, EN62368
ENVIRONMENTAL	MIL-STD-810G
EMISSIONS/IMMUNITY	CE, RED, FCC Part 15 Class B, AS/NZS CISPR 22, EN55024, EN55032
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
PROTOCOL SUPPORT	HTTP, HTTPS, FTP client, SSL, 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
SECURITY/VPN	IP filtering, stateful firewall, custom firewall rules (iptables), address and port translation; VPN: IPsec with IKEv1, IKEv2, NAT Traversal; SSL, SSLv2, SSLv3, FIPS 197, open VPN client and server; VPN tunnels; Cryptology: SHA-256/384/512, MD5, RSA; Encryption: DES, 3DES and AES up to 256-bit (CBC mode for IPsec); Authentication: RADIUS, TACACS+; certificates; MAC address filtering; VLAN support
ROUTING/FAILOVER	IP pass-through; NAT, NATP 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

FRONT



BACK



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 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 IX14
IX14-L301	Digi IX14 - 4G LTE Cat 1 EMEA, single Ethernet, DB-9 RS-232
IX14-M301	Digi IX14 - 4G LTE Cat 1 EMEA, single Ethernet, DB-9 RS-232
IX14-M401	Digi IX14 - 4G LTE Cat 1 Sprint, single Ethernet, DB-9 RS-232
IX14-M601	Digi IX14 - 4G LTE Cat 1 North America, single Ethernet, DB-9 RS-232
IX14-M901	Digi IX14 - 4G LTE Cat 1 AU/NZ, single Ethernet, DB-9 RS-232

PART NUMBERS	ACCESSORIES
76002080	Digi IX14 accessory kit - Digi IX14 standard temp power supply, LTE antennas, Ethernet cable, US/EU power plugs
76002081	Digi IX14 accessory kit - Digi IX14 extended temp power supply, LTE antennas, Ethernet cable, US/EU/UK/AU power plugs
76002078	AC power supply - Digi IX14 standard temp power supply, US/EU power plugs
76002079	AC power supply - Digi IX14 extended temp power supply, US/EU/UK/AU power plugs
76000926	Antenna - cellular, 3G/4G/LTE

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

FOR MORE INFORMATION
PLEASE VISIT DIGI.COM

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