RUGGED, SECURE
LTE INDUSTRIAL
ROUTER

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.

Digi IX14 includes a one-year subscription to Digi Remote Manager® — a web-based device management platform that helps operators reduce costly downtime and service calls, and can increase revenue by bringing distributed sites online faster.

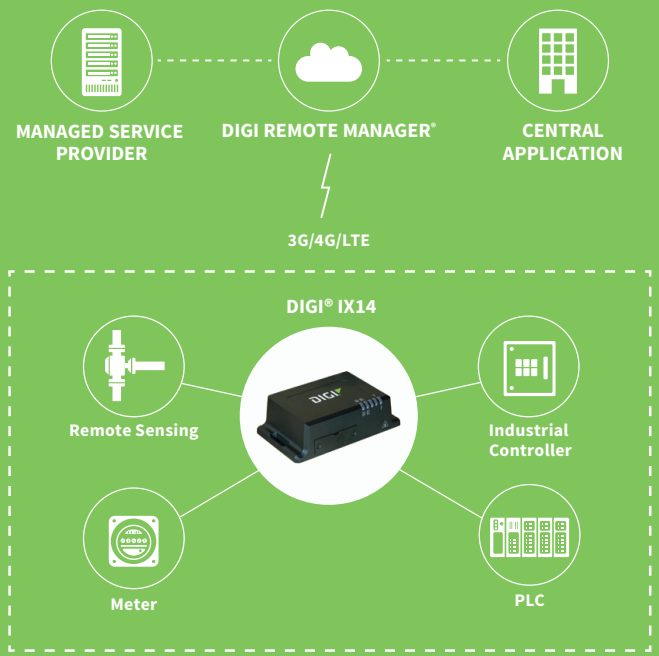
An intuitive user experience makes installation smooth and easy. Digi management solutions provide quick setup, configuration and maintenance of large installations of remote Digi routers and gateways, as well as third-party devices.

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® security is built in to protect your investments far into the field.

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
- Includes one-year subscription to Digi Remote Manager® to deploy, monitor, manage and maintain a suite of routers
- TrustFence security: authenticated boot, dedicated security co-processor, encrypted data storage, unique default passwords and certificate management

APPLICATION EXAMPLE



RELATED PRODUCTS

Digi TransPort WR11 XT

Digi TransPort WR31

Digi 6310-DX

Accessories

Digi Remote Manager

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 (one year included); 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 product warranty

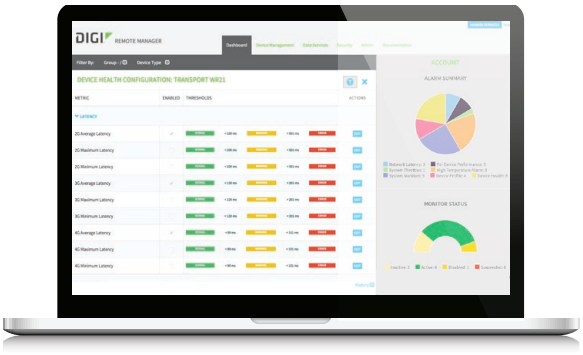
ENTERPRISE SOFTWARE	DESCRIPTION
PROTOCOL SUPPORT	HTTP, HTTPS, FTP client, SSL, TLS v1.2, SCP (client and server), SFTP, SMTP client for use by scripts and the command line, SNMP (v2/v3), SSH; remote management via Digi Remote Manager; Protocol analyzer, ability to capture PCAP for use with Wireshark; 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, NAPT with IP port forwarding; Ethernet bridging; GRE; Multicast routing; Routing protocols: RIP (v1, v2) OSPF, BGP; IP failover: VRRP; automatic failover, SureLink
OTHER PROTOCOLS	DHCP; Dynamic DNS client compatible with No-IP/DynDNS

PRODUCT IMAGES

FRONT

BACK

DIGI REMOTE MANAGER®



– **One year of Digi Remote Manager included with purchase of Digi IX14**

INFRASTRUCTURE

- Hosted in a commercial-grade SAS 70-certified environment
- Superior availability, operating to 99.9% or greater
- Open APIs available to support application development

CAPABILITIES

- Centralized management of remote devices over 3G/4G/LTE
- Define standard configurations and automatically monitor individual devices for PCI security compliance
- Report and alert on performance statistics, including connection history, signal quality, latency, data usage and packet loss
- No servers or applications to operate and maintain
- Complete tasks for your entire device network in minutes
- Edit configurations and update firmware for your individual devices or groups
- Monitor the status and location of your remote device via a web browser
- Active or deactivate cellular lines and monitor data to ensure you never incur overage charges

SECURITY

- Certified SSAE-16 facilities
- Over 175 security controls in place to protect your data
- Enables compliance with security frameworks like PCI, HIPAA, NIST and more
- Earned SkyHigh's Cloud Trust Program highest ranking 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

FOR MORE INFORMATION PLEASE VISIT WWW.DIGI.COM

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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DIGI INTERNATIONAL WORLDWIDE HQ
877-912-3444 / 952-912-3444 / www.digi.com

DIGI INTERNATIONAL GERMANY
+49-89-540-428-0

DIGI INTERNATIONAL JAPAN
+81-3-5428-0261 / www.digi-intl.co.jp

DIGI INTERNATIONAL SINGAPORE
+65-6213-5380

DIGI INTERNATIONAL CHINA
+86-21-50492199 / www.digi.com.cn

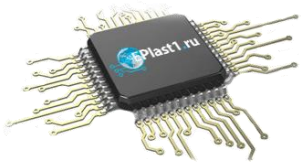
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.