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.

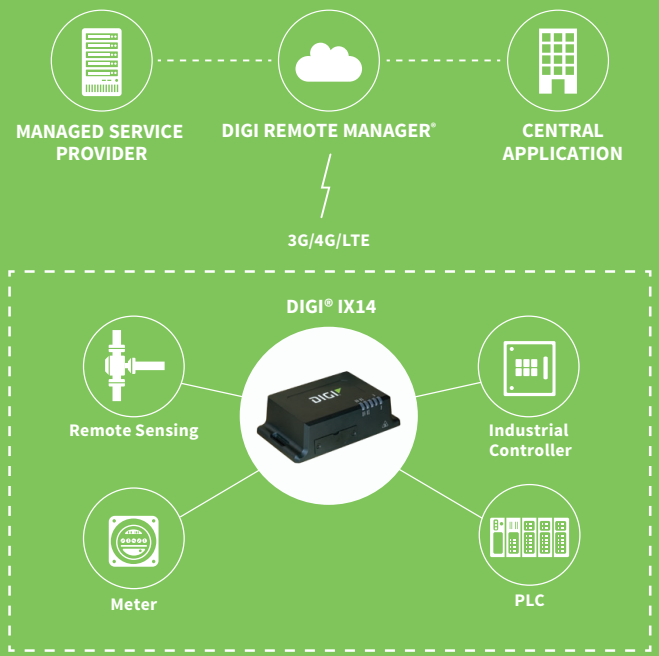
An intuitive user experience makes installation smooth and easy. Digi management solutions provide quick setup, configuration and maintenance of large installations of remote Digi routers and gateways, as well as third-party devices.

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)<br>3G: 900 (B8)/1800 (B3)/2100 (B1) MHz<br>2G EDGE: 900 (B8)/1800 (B3)<br>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)<br>2G EDGE: 900/1800 MHz<br>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)<br>Transfer rate (max): 10 Mbps down, 5 Mbps up<br>Approvals: Sprint |
| LTE – NORTH AMERICA (M6) | LTE Cat 1: 700 (B12,B13)/850 (B5)/AWS (B4)/1900 (B2)<br>HSPA+: 850/1900 MHz<br>Transfer rate (max): 10 Mbps down, 5 Mbps up<br>Approvals: PTCRB, AT&T, Verizon |
| LTE – ANZ/LATAM (M9) | LTE Cat 1: 700 (B28)/850 (B5)/900 (B8)/1800 (B3)/2100 (B1)<br>3G HSPA+: 850/900/2100 MHz<br>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<br>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 |

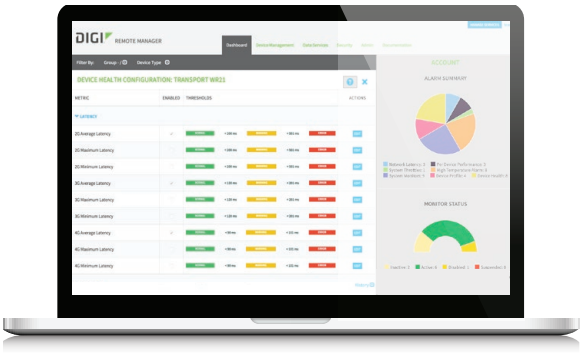
| ENTERPRISE SOFTWARE | DESCRIPTION |
|---|---|
| PROTOCOL SUPPORT | HTTP, HTTPS, FTP client, SSL, TLS v1.2, SCP (client and server), SFTP, SMTP client for use by scripts and the command line, SNMP (v2/v3), SSH; remote management via Digi Remote Manager; Protocol analyzer, ability to capture PCAP for 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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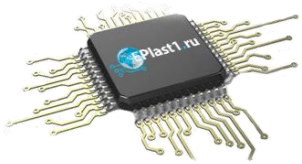
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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**

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