



Purpose-Built For Industrial Applications

Relentless wireless communication
in the most demanding conditions.



The Right Solution for Your Use Case

No matter how you think of the Industrial Internet of Things (IIoT), Digi offers solutions to connect your assets: Digi wireless connectivity solutions link PLCs, sensors, data loggers and much more. Launch your Industrial IoT project today. With Digi, you can seamlessly grow and scale your deployment well into the future.



Digi IX25 and Digi Remote Manager

Better than being there

Accessing routers through [Digi Remote Manager](#) allows you to monitor, troubleshoot and administer devices remotely, without trekking to the location or physically meddling with the host device. It presents a single online performance dashboard for configuring and troubleshooting devices across multiple locations — with alarms and reporting to keep you online and ahead of network problems.



Safe and steady wireless communication made easy

Wireless connectivity and cloud-based solutions make industrial process control systems more productive, more responsive and safer. And it all depends on communication: machines and devices talking to each other — and to users — through wireless communication networks.

Digi's connectivity solutions are designed for deployment in diverse automation environments, from low power to no power, with or without cellular coverage.



Rugged and Safety-Minded

Digi International provides solutions integrating sophisticated software with industrial-grade routers, gateways and embedded modules for secure and reliable network communications:

- Industrial enclosures and ruggedized components designed to withstand temperature swings and harsh environments
- DIN rail and surface mounting options for simplified installation anywhere
- Designed for long lifecycles and high reliability for low total cost of ownership



Fortified Against Security Threats

IoT Device Security

Digi routers integrate two key features to support security in a connected world:

- The [Digi TrustFence](#) security framework, with features such as secure boot, protected hardware ports and encryption and authentication tools to support the highest cybersecurity standards.
- [Digi Remote Manager](#), the command center and security guard for your network is SOC 2 Type 2 validated and designed to automatically monitor and manage configuration security.

Physical Security

Digi products include physical security features that help deter hands-on tampering and can alert your team to security breaches. Security features may include SIM covers, specialized screws and lockable enclosures.

Build Your Own Solution

Reliable connectivity and remote monitoring for mission-critical applications in rugged environments

Creating a connected industrial ecosystem requires the installation of a communication infrastructure to accommodate the delivery of data to and from all your facilities and remote assets. Digi IoT and networking solutions help you expand remote monitoring into areas that are difficult to access, where power is not available, and even to locations that are outside of your normal network range.



Digi XBee RF and Cellular Modules

A selection of **Digi programmable radio devices** let application developers choose the best module and communications protocol for their use case. Optimize wireless connectivity for communications range, battery management and other objectives with the full suite of Digi XBee solutions.



Digi EX15 Router

Digi EX15 offers reliable primary and backup cellular connectivity, supporting your business office and workers with secure Ethernet and Wi-Fi — all managed by Digi Remote Manager.



Digi IX25 Router

Digi IX25 is a rugged 5G edge computing cellular platform integrated with Digi Remote Manager. It provides secure, reliable, and TAA-compliant connectivity in harsh environments, enabling SCADA, telemetry, predictive maintenance, and distributed energy management. With industrial-grade certifications and OT/IT integration, Digi IX25 ensures uptime and resilience in demanding field deployments.



Digi IX30 Router

Intelligent 4G LTE cellular routers, managed with Digi Remote Manager, provide a secure, reliable connection to industrial controllers and process automation equipment, such as power monitoring of industrial generators.



Digi IX40 Router

Digi IX40 is a 5G edge computing solution — integrated with Digi Remote Manager — supporting edge intelligence and real-time automation in industrial applications.



Digi XBee Hive Gateway

The **Digi XBee Hive Gateway** is a flexible IoT solution that combines cellular and mesh networking to enable remote monitoring in hard-to-reach environments. Acting as both a gateway and router, it integrates with the Digi XBee ecosystem, supports local edge computing with Python, and uses Digi Remote Manager for secure, scalable deployment and management across industrial applications.



Digi Connect Sensor XRT-M

Digi Connect Sensor XRT-M is a rugged, battery-powered monitoring solution with versatile I/O for remote sensor connections. An ideal cost-effective data collection solution for remote assets, XRT-M provides unparalleled battery life and a toolkit for remote monitoring.

Digi IoT in Industrial Applications



Oil and Gas

Oil and gas companies can collect data from all parts of the value chain with the help of Digi technology. From upstream oil pumps and platform telematics, to midstream pipeline monitoring and metering, to tank farms and downstream point-of-sale (POS) systems, **Digi industrial solutions** helps companies capture and analyze data from sensors and SCADA systems in near-real time.

Companies can use that data to optimize well, pipeline and facility performance while taking advantage of **remote management capabilities** to reduce the need for costly truck rolls and maintenance.



Electrical Utilities

Electrical utilities around the world use IoT technology to drive more efficient energy use, improved security, and better customer service.

New technologies are driving the evolution of electrical “**smart grids**.” They enable utility companies to react quickly to spikes in demand, remediate outages and operate more efficiently overall. Smart grid systems are more resilient, cheaper to operate and better for the environment. Digi helps utilities to upgrade their technology with reliable, **secure edge computing** and cybersecurity technology to improve grid efficiency while meeting critical SLAs.



Construction

The **construction industry** deploys IoT solutions in a wide range of applications today, where cellular connectivity and embedded systems provide critical insights to support efficiencies, cost savings and workplace safety.

IoT solutions can monitor the performance of heavy machinery, track the location of materials and equipment, and conduct building site surveillance. IoT solutions even perform specialized tasks such as tracking sensor data to monitor the exact **temperature of concrete** during the curing process.

Today **private and hybrid networks** provide options for more secure and reliable connectivity.



Water/Wastewater

Municipalities everywhere face the challenge of keeping water supplies safe and abundant while making sure **wastewater** is treated in strict compliance with environmental standards.

Digi provides solutions for both sides of the water use cycle. IoT systems monitor wells, reservoirs, **lift stations**, sewage treatment plants and other components of complex water and wastewater systems. Wireless connectivity from Digi also enables real-time alarm and flow data, so operators can address problems quickly, before they become critical.



Digital Signage

Digital signage, in addition to providing information in retail settings and public spaces, is now supporting a number of industrial use cases. These include traffic advisories for road construction projects, as well as signage in city centers and subway terminals where environmental conditions can vary wildly.

Digi offers a range of purpose-built solutions for digital signage applications where wired connections are impractical, enabling users to update and modify displays remotely and provide secure, reliable connectivity for outdoor environments.

Digi Supports Process Improvement With Your IoT Solution



Operational Efficiencies

- Digi IoT connectivity helps provide precision and efficiency for **manufacturing automation**, process control and robotics. Constant production line monitoring helps identify quality problems, and predict equipment maintenance issues.
- Reduce or eliminate “truck rolls” and the need for manual intervention with **Digi Remote Manager**, the scalable management platform that lets you configure, monitor and manage IoT devices from one central point of control, or from authorized devices in the field.
- Benchmark the performance metrics of machinery and gather real-time **sensor data** to help maximize uptime and minimize maintenance costs.
- Take advantage of **energy-efficient design that extends battery life** in remote or hard-to-reach deployments.



Supply Chain Visibility

- Integrate **Industry 4.0 technologies** into manufacturing systems and **smart factories** for real-time insights, predictive maintenance and automation.
- Provide **real-time inventory monitoring** to ensure skilled building tradespeople have the materials they need, when they need them.
- Track the **logistics** of materials, equipment and fleets to ensure accurate routing and on-time delivery.
- Monitor temperature-sensitive food and pharmaceuticals with sensor solutions and automated reporting from **SmartSense by Digi**.



Edge Intelligence and IT Operations

- Perform **environmental monitoring** using networked sensors to quickly detect leaks or fire hazards and alert personnel — for worker safety as well as compliance with OSHA and other regulations.
- Ensure business continuity with **out-of-band management** capabilities through a secure VPN tunnel and serial ports on Digi devices.
- Integrate intelligence and processing at the network edge with smart modems and other **Digi edge computing solutions**.
- Gather real-time data with **Digi IoT devices** to enable end-user analytics of historic trends and variables that affect performance.



Worksite Safety and Security

- Ensure compliance with OSHA and other regulations by **monitoring environmental conditions** using networked sensors that quickly alert users to leaks or other hazardous situations.
- Enhance worker safety with innovations such as “smart hardhats” that monitor exposure to UV rays, noise and temperature extremes, and **smart wearables** that detect unsafe movements.
- Monitor access to building sites with video surveillance data transmitted via **Digi routers**.
- Integrate image recognition and **machine vision** into next-generation employee access and site monitoring systems.

Deploy, Manage and Scale with Digi

Networks of connected devices are complex ecosystems, with many processes at work. Digi helps you manage that complexity with highly reliable, highly secure, connected solutions and supporting services:

- Rugged, reliable and secure cellular devices built for long product lifecycles and relentless reliability with [Digi SureLink](#) and dual SIMs for cellular failover
- Pre-certified, low-power wireless communication via Digi XBee RF and Cellular modems, enabling reliable and secure data transfer anywhere
- Rapid, seamless deployment and device management with [Digi Remote Manager](#) — enabling zero-touch configuration, mass firmware updates, security monitoring and out-of-band management
- A [Professional Services](#) team that can support planning and implementation of your Digi cellular router deployment, and a [Wireless Design Services](#) team that can provide OEMs with embedded engineering services for rapid time to market

Turn to Digi, the trusted source for connected IoT and M2M solutions across the industrial landscape since 1985. Our experts can support your entire process, from planning to procurement, deployment, and ongoing security monitoring and management.

Learn more about Digi for Industrial solutions: www.digi.com/industrial

For more information, visit:

www.digi.com

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