



Introducing the Digi IX25 5G Edge Computing Cellular Platform

Delivering secure, reliable, TAA-compliant connectivity for private and public LTE, 5G RedCap and 5G eMBB networks

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Introducing Digi IX25

Digi IX25 is a rugged industrial router for critical infrastructure and enterprise applications that require secure, reliable, always-on connectivity.

The IX25 platform is built for flexibility and cost efficiency, with five SKUs sharing a common PCB, BOM and mechanical design. This unified architecture drives economies of scale, reduces supply-chain risks, enhances production agility and lowers costs.

The IX25 portfolio includes LTE routers in both cellular-only and cellular + Wi-Fi variants, 5G RedCap routers in both cellular-only and cellular + Wi-Fi variants, and a 5G eMBB router available exclusively as a Wi-Fi variant.

Designed for mission-critical deployments, Digi IX25 combines a hardened exterior encasement with versatile integration options including four Gigabit Ethernet ports, a serial port, a USB-C port, dual nano SIMs and an eSIM with eUICC support.

Digi Remote Manager (DRM), Digi's remote monitoring and management platform, enables

customers to quickly configure their devices in the field and keep tabs on those devices — wherever they are deployed. Additionally, they can deploy custom applications via Linux-based Digi Containers, enabling advanced IIoT platforms such as Ignition Edge by Inductive Automation, eACM by Autosol, AWS IoT Core, AWS IoT Greengrass, Microsoft Azure and more.

Powered by the **Digi Accelerated Linux operating system** (DAL OS) and seamlessly integrated with DRM, the IX25 cellular router delivers an end-to-end, secure, scalable solution that ensures long-term value and deployment flexibility as customer needs evolve.

Digi IX25 strikes the optimal balance of performance, scalability and affordability, making it a compelling choice for diverse industrial and enterprise connectivity applications.

5G eMBB/5G RedCap/LTE

- Peak data rate
- Area traffic capacity
- Latency
- Spectrum efficiency
- Mobility

Edge Computing

- Reduced latency
- Bandwidth optimization
- Enhanced security
- Compliance and privacy
- Scalability and flexibility — Digi Containers
- Cost efficiency

Secure and Reliable

- DAL operating system
- Digi TrustFence
- Digi SureLink
- Dual SIM + eSIM
- FIPS 140-3, SOC-2 Type 2

Private Cellular

- FirstNet
- CBRS
- Anterix



DIGI REMOTE MANAGER®

A Complete Solution

- ✓ Global 5G and LTE connectivity supporting 5G RedCap, eMBB and LTE across public and private cellular networks
- ✓ Digi Containers for powerful, cost-efficient applications
- ✓ Integrated industrial edge computing for real-time data processing, automation and control
- ✓ Anterix, FirstNet®, CBRS and private 5G networking support
- ✓ Four Gigabit Ethernet ports, serial, I/O and GNSS for flexible, high-performance integration
- ✓ Dual SIM/Digi eSIM with eUICC for carrier diversity, redundancy, global scalability and remote carrier switching
- ✓ Optional Wi-Fi 6E for local connectivity and failover support
- ✓ Digi WAN Bonding and SureLink for WAN aggregation and resilient always-on connectivity
- ✓ Rugged, TAA-compliant construction with DIN-rail and shelf-mount options for industrial environments, C1D2 and ATEX rated
- ✓ FIPS 140-3-compliant security, SOC-2 Type-2, VPN, firewall, logging and authentication
- ✓ Includes the Digi 360 solution with warranty, customer care and Digi Remote Manager cloud management for easy provisioning, configuration and management



Digi IX25: A Closer Look



A 5G edge computing cellular platform: Digi IX25 enables rapid processing, analysis and integration of asset data. The secure, reliable and TAA-compliant IX25 delivers 5G connectivity and edge intelligence for everything from predictive maintenance and SCADA to branch failover, retail and traffic systems.



Future-proof: Digi IX25 provides secure, future-proof connectivity. Its single-box design reduces total cost of ownership while minimizing complexity and potential points of failure, ensuring a reliable and efficient solution.



Easy integration: Digi IX25 lets you seamlessly integrate cloud-delivered operational technology (OT) services with information technology (IT), helping you simplify complex operations and scale your IT infrastructure effectively.

The Critical Importance of Edge Computing

From utilities to unattended retail to digital signage, edge computing remains an essential requirement for mission-critical connectivity and enterprise applications that demand performance, efficiency and operational effectiveness.

- ✓ **Reduced latency:** Edge computing processes data closer to its source, minimizing the time it takes for information to travel back and forth. That translates into faster decisions and responses in time-sensitive applications.
- ✓ **Bandwidth optimization:** Edge computing filters out unnecessary information before sending relevant data to the cloud. This conserves bandwidth, cuts transmission costs and eases the burden on the network.
- ✓ **Improved reliability:** With edge computing, your critical applications continue functioning even if the cloud connection is lost temporarily. Your operations are uninterrupted, preventing costly downtime.
- ✓ **Enhanced security:** Sensitive data remains within your industrial premises, reducing exposure to external threats. Local processing adds an extra layer of security and helps protect against cyberattacks.
- ✓ **Compliance and privacy:** Edge computing addresses data compliance and strengthens privacy by keeping sensitive information within your control and locality.
- ✓ **Scalability and flexibility:** The distributed architecture of edge computing enables easy deployment of Industry 4.0 applications for a range of locations and specific needs. That means you adapt quickly to changing requirements.
- ✓ **Cost efficiency:** Edge computing minimizes data transmission costs and cloud service expenses by processing and storing data locally.



Why 5G Matters: It's More than Just Speed

For modern applications, 5G technology offers much more than just higher throughput. By providing high-speed, low-latency, reliable wireless connectivity, the deployment of 5G cellular routers facilitates seamless data transfer, enables real-time communication and supports automation and intelligent decision making.

Peak data rate:

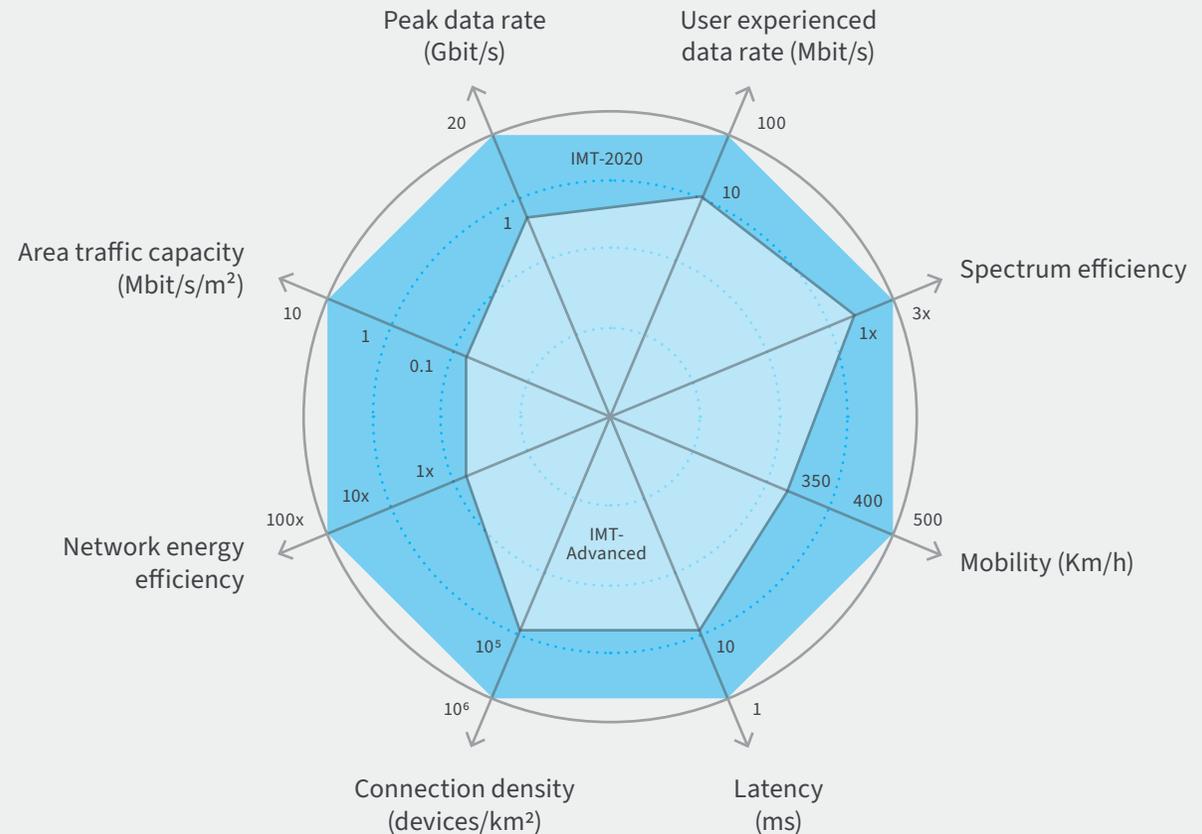
5G delivers considerably higher peak data rates, enabling new use cases

Area traffic capacity:

5G networks offer significantly greater area traffic capacity, accommodating a larger number of devices simultaneously within a specific area

Latency:

5G standalone networks significantly lower latency compared to LTE, leading to quicker response times and enabling real-time communication



5G RedCap: Lean, Cost-Effective 5G

5G Reduced Capability (RedCap) is a streamlined version of 5G designed to deliver many of the benefits of 5G while significantly lowering device complexity and cost. Built for mid-tier IoT and industrial applications, RedCap removes the advanced features required for high-end 5G use cases, such as ultra-wide bandwidth and extremely high data rates. At the same time, it offers reliable performance, low latency and improved efficiency compared to LTE.

5G REDCAP

A key advantage of 5G RedCap is its reduced hardware complexity. RedCap devices typically require only two cellular antennas, similar to LTE deployments. In contrast, full 5G eMBB (enhanced Mobile Broadband) implementations commonly require four antennas to support higher throughput and advanced MIMO capabilities. Fewer antennas mean simpler device design, lower power consumption and reduced installation costs, making RedCap a more economical option for many IoT and industrial use cases.

Beyond cost savings, 5G RedCap is designed to support the longevity of deployments. As carriers evolve their networks toward 5G and eventually sunset legacy LTE infrastructure, RedCap provides a future-ready pathway that aligns with long-term 5G roadmaps. Organizations can deploy solutions today with confidence that they are building on a 5G-native foundation, helping to extend the lifecycle of connected assets and reducing the need for future hardware refreshes.

In short, 5G RedCap bridges the gap between LTE and high-end 5G — delivering simplified, cost-effective 5G connectivity that is purpose-built for durable, scalable IoT deployments.

Industrial Specifications: The Foundation of Mission-Critical Reliability

In mission-critical environments, connectivity is not simply a convenience — it is the backbone of operations. From electric substations and water treatment facilities to oil and gas fields and transportation systems, downtime is costly, unsafe and often unacceptable. In these environments, industrial specifications are not optional features; they are foundational requirements that ensure long-term performance, safety and resilience.

Unlike enterprise-grade networking equipment designed for climate-controlled IT closets, industrial routers must withstand extreme temperatures, vibration, electrical noise, dust, moisture and potentially hazardous atmospheres. Devices deployed in substations, roadside cabinets, pump stations or manufacturing floors may be exposed to temperature swings from -40 °C to +75 °C, continuous vibration and unstable power conditions. Equipment that is not purpose-built for these realities can fail prematurely — leading to outages, service interruptions, regulatory risk and increased maintenance costs.

Industrial certifications and compliance standards play a critical role in mitigating these risks. Ratings such as C1D2 and ATEX ensure devices can operate safely in hazardous locations where flammable gases or vapors may be present. IP-rated enclosures protect against dust and particulate intrusion. MIL-STD testing validates durability against shock and vibration. These specifications are not marketing checkboxes — they are essential safeguards that protect infrastructure, personnel and the public.

Security and supply chain integrity are equally important in critical infrastructure deployments. Industrial platforms must incorporate hardened operating systems, strong encryption, VPN capabilities, firewall protections and compliance with standards such as [FIPS 140-3](#). In addition, trusted component sourcing and TAA-compliant manufacturing provide transparency and assurance for government and regulated industries, reducing exposure to geopolitical and supply chain risks.

Connectivity resilience is another defining characteristic of industrial-grade design. Mission-critical applications require redundancy, carrier diversity and reliable WAN failover. Features such as dual SIM/eSIM with eUICC, WAN bonding and intelligent link monitoring ensure continuous operation even during network disruptions. In SCADA systems, predictive maintenance deployments, distribution automation and smart grid operations, seconds of downtime can translate into significant operational and financial impact.

As a rugged industrial 5G edge computing cellular platform, Digi IX25 is purpose-built for applications in harsh environments. Supporting LTE, 5G RedCap and 5G eMBB — and built with trusted Western modules in TAA-compliant facilities — Digi IX25 delivers secure, always-on connectivity in the most challenging conditions. It powers SCADA, telemetry, predictive maintenance, distribution automation and smart grid operations with the reliability industrial operators demand.

With four Gigabit Ethernet ports, dual SIM/eSIM with eUICC, serial, GNSS and optional Wi-Fi 6E, IX25 seamlessly connects multiple machines and integrates operational technology (OT) with information technology (IT).

Industrial specifications are about risk reduction, lifecycle longevity and operational continuity. Selecting a platform engineered for harsh environments requires a strategic investment in reliability, safety and the uninterrupted performance of mission-critical infrastructure.

Powering Enterprise and Distributed Retail Connectivity

For enterprises with distributed locations — including retailers, quick-service restaurants (QSRs), banks and service organizations — reliable connectivity is essential to maintaining revenue, customer satisfaction and brand reputation.

In these environments, even brief network disruptions can halt transactions, impact payment processing or interrupt customer-facing services. Digi IX25 delivers secure, resilient connectivity purpose-built to support the unique demands of distributed enterprise networks.

Digi IX25 enables primary and failover branch connectivity with dual SIM support and advanced WAN bonding capabilities, ensuring continuous uptime across wired and cellular networks. This redundancy is critical for maintaining always-on access to cloud applications, inventory systems and centralized management platforms.

For payment-critical environments such as POS systems, ATMs and other transaction endpoints, IX25 supports secure, PCI-compliant networking with enterprise-grade security features, including VPN, firewall and advanced authentication. By protecting sensitive financial data and maintaining network segmentation, IX25 helps organizations meet compliance requirements while reducing cybersecurity risk.

In unattended retail and kiosk deployments — including vending, lottery and ticketing systems — Digi IX25 provides reliable cellular connectivity in locations where wired infrastructure may be limited or unavailable. Its rugged design and compact footprint make it ideal for back-office cabinets or constrained retail spaces, while integrated edge computing supports local processing and application hosting when needed.

For digital signage and high-bandwidth content delivery, IX25 leverages LTE, 5G RedCap or 5G eMBB to deliver dynamic, data-rich media across geographically dispersed locations. With four Gigabit Ethernet ports, it can connect multiple in-store devices without the need for additional switches, simplifying deployments and reducing points of failure.

Centralized management through Digi Remote Manager gives enterprises full visibility and control of their distributed networks — enabling rapid deployment, streamlined configuration, and proactive monitoring across hundreds or thousands of sites. The result is a scalable, secure and highly resilient connectivity platform that keeps distributed operations running smoothly and profitably.



Digi IX25: The Right Choice

- ✓ **Ports and simplicity:** Designed to support demanding industrial and distributed retail applications with 4x Ethernet, reducing external switches and points of failure.
- ✓ **Rugged mechanical design:** Operates -40 °C to +75 °C with industrial certifications (MIL-STD, IP30, C1D2/ATEX), surpassing enterprise-class EX devices.
- ✓ **Cost:** Digi IX25 is competitively priced, and at the same time is designed to out-perform most competitive offerings available today.
- ✓ **Management and security:** It includes DRM and DAL support plus [Digi TrustFence](#) to align with existing ops practices.
- ✓ **Rugged, secure and reliable:** A four-port industrial cellular IoT router reduces total installed cost by eliminating add-on switches or PLCs. It simplifies fleet operations with Digi Remote Manager and standardizes deployments across both utility and retail footprints — all without compromising temperature ratings, certifications or product longevity.
- ✓ **Trusted and compliant:** Built with a Western cellular module and manufactured in a TAA-compliant country, so customers enjoy supply-chain transparency and regulatory compliance.



Utilities

- Real-time monitoring and control
- Smart grid distribution automation
- Demand response
- Renewable energy
- DERMS
- SCADA

Oil and gas

- Oil field drilling monitoring
- Pump station monitoring

Smart cities

- Digital signage
- Traffic management (wayside)

Enterprise

- Branch and failover connectivity
- POS, ATMs, payment systems
- Unattended retail, smart kiosks
- Lottery machines
- In-store digital media
- Temporary and mobile sites

Industry 4.0

- Manufacturing process automation
- Industrial automation and control
- Precision monitoring and control
- Condition-based monitoring
- Predictive maintenance
- Advanced robotics

Digi IX25 With Digi 360

Digi 360 offers comprehensive IoT packaged solutions, including purpose-built devices, software and services to help customers optimize their IoT investments and maximize ROI. These solutions are designed to simplify IoT complexity, and ease the challenges enterprises face in configuring, deploying and managing their IoT initiatives. Your Digi 360 subscription is included with the purchase of Digi IX25, complete with Digi Remote Manager, warranty and customer care. Learn more at digi.com/digi360.



Management

Digi Remote Manager, our network orchestration platform, provides complete visibility and control, with configuration, remote monitoring, automation, security and OTA software update capabilities.



Warranty

Device warranty covering the full length of the Digi 360 subscription, to help customers maximize their technology investment while limiting risk.

360

Device

High-performance, purpose-built Digi devices, with integrated software, designed to meet the requirements of a wide range of enterprise, industrial, medical and transportation use cases.



Customer Care

The support plan provides 24 x 7 x 365 tier 1 support with 4-hour SLA for device and network troubleshooting to ensure customers can resolve issues quickly.



Which Digi IX25 Solution Is Right for Your Application?

Choosing the right connectivity solution depends on your specific application, performance requirements and long-term network strategy. Whether your deployment calls for cost-effective 5G RedCap, high-performance 5G eMBB or proven LTE connectivity, Digi experts are ready to help you evaluate the best option for your environment.

Our team works closely with customers to assess bandwidth needs, latency sensitivity, device density, coverage availability, security requirements and lifecycle considerations. From industrial automation to enterprise connectivity, we help you align the right Digi IX25 SKU with your operational goals and budget.

With deep expertise in cellular technologies, edge computing and critical infrastructure deployments, Digi can guide you from solution design through deployment and ongoing management — ensuring your connectivity investment is optimized for performance, scalability and long-term success. What's more, [Digi Professional Services](#) can provide support for defining your project scope and configuring and deploying your solution.



Connect with Digi today to design the IX25 solution that keeps your operations secure, resilient and future-ready.