



Digi IX25 5G

Rugged 5G cellular platform, delivering secure, reliable connectivity for mission-critical industrial and enterprise applications

Digi IX25 is a rugged 5G cellular platform managed in Genesis, purpose-built for industrial and enterprise applications. The IX25 family includes 5G RedCap and 5G eMBB variants, each built with trusted Western cellular modules and manufactured in TAA-compliant facilities. It delivers secure, high-performance connectivity and enables rapid processing, analysis and integration of distributed asset data.

Seamlessly connect multiple machines, whether wired or wireless, in the most demanding environments — enabling integration of OT and IT to streamline operations and scale infrastructure. With its all-in-one design, Digi IX25 lowers total cost of ownership, reduces complexity and ensures reliability for a range of applications including industrial, oil and gas, utilities and enterprise, including SCADA, telemetry, predictive maintenance, machine control, branch failover, unattended retail, ATMs, kiosks, lottery terminals and digital signage.

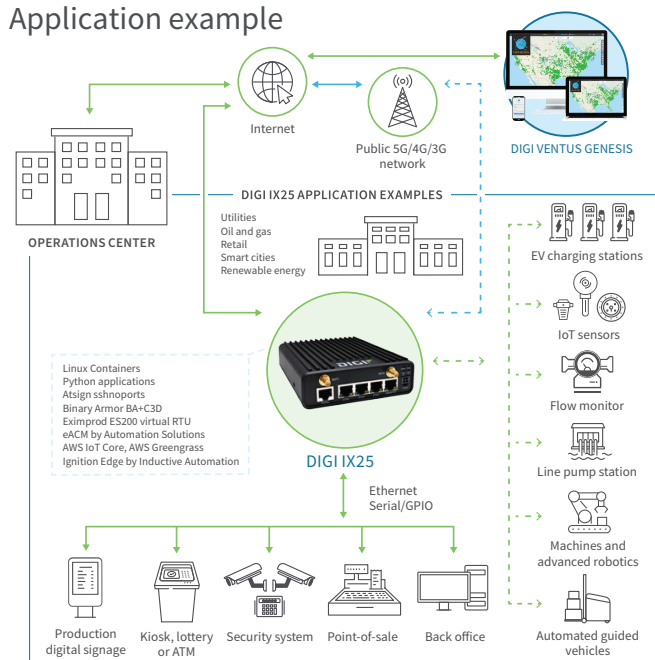
With four Gigabit Ethernet ports, dual SIM/Digi eSIM with eUICC, serial, GNSS and optional Wi-Fi 6E, Digi IX25 provides flexible, secure deployment options for edge connectivity. Together with SOC 2® Type 2 compliant Genesis platform, the cloud-based command center for centralized configuration, monitoring and security management, IX25 simplifies large-scale deployments while ensuring enterprise-class reliability.

Digi IX25 also supports Anterix, CBRS, private 5G networking and FirstNet for critical infrastructure and emergency response, offering resilient connectivity for smart grid, utilities and public safety applications. With its single-platform design, industrial-grade enclosure and software-defined flexibility, Digi IX25 delivers the reliability, security and performance needed to scale modern IoT and enterprise networks with confidence.

Key features, benefits and applications

- Global 5G and LTE connectivity supporting 5G RedCap, 5G eMBB and LTE across public and private cellular networks
- 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
- Configured SureLink for WAN and cellular connectivity for resilient always-on connectivity
- Rugged, TAA-compliant construction with DIN-rail and shelf-mount options for industrial environments, C1D2 and ATEX rated
- Includes the Digi Ventus solution with warranty, customer care and SOC 2 Type 2 Genesis to streamline setup, deployment, mass configuration and lifecycle management

Application example



Related Digi IoT software and solutions



Digi IX20



Digi IX40



Digi EX50



Digi Ventus
Genesis

DIGI IX25 5G WITH DIGI VENTUS

Digi Ventus Genesis

The Genesis platform from Digi Ventus visualizes your network and provides immediate command and control of connected hardware on any mobile or desktop screen. More than just a standalone application, Genesis provides an industry leading turnkey toolbox to observe, configure and report on network operations in real time. Optional white labeling helps make Genesis a key value-add for new revenue generation.



- ✓ Genesis focuses on making complex management routines simple by automating common low-level steps to make device management easy.
- ✓ Genesis provides device portfolio information and functionality for multiple audiences. It can be used by technical and non-technical audiences alike.
- ✓ Genesis provides a customer facing REST API. If a customer already has an application and simply wants to leverage the information within Genesis, the REST API will do it simply and securely.
- ✓ Genesis supports NOCs and technical support centers alike. The map view is a popular feature that allows NOCs to view their portfolios geographically and get context information about the health of their connections, weather impact and other data points required for the specific application.

Core Features

Genesis offers four key capabilities: monitoring, diagnostics, reporting, and over-the-air updates (OTAs).

Monitoring

The system tracks remote devices through:

- ✓ Interactive maps
- ✓ Network availability status
- ✓ Device metadata, including IP addresses and network configuration
- ✓ Historical data covering health metrics and usage patterns
- ✓ Dashboards and graphs with convenient filtering and export options

Reporting

The system generates various static reports that can be:

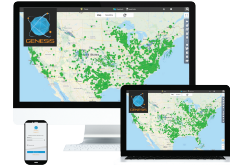
- ✓ Run immediately, scheduled once, or set to recur
- ✓ Exported to spreadsheet applications
- ✓ Emailed to multiple recipients
- ✓ Monitored through a history interface

Diagnostics

Users can remotely run an array of status checking tools:

- ✓ Network diagnostics like ping, traceroute, TCP dump
- ✓ Cellular health tests show signal strength and quality

Specifications



Manage and configure Digi IX25 5G
with Digi Ventus Genesis

Specifications

Digi IX25 with Digi Ventus Genesis

WIRELESS INTERFACES

CELLULAR / WWAN**

5G EMBB: IX25-5A-1G	5G NR bands: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48 (CBRS), n66, n71, n75, n76, n77, n78, n79 (C-band) 4G LTE-Advanced Pro bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14 (FirstNet™), B17, B20, B25, B26, B28, B29, B30, B32, B34, B38, b39, B40, B41, B42, B43, B48 (CBRS), B66, B71, B106 (Anterix)
5G REDCAP: IX25-RA-1G, IX25-RA-0G	5G NR bands: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n30, n38, n40, n41, n48 (CBRS), n66, n70, n71, n75, n77, n78, n79 (C-band) 4G LTE bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14 (FirstNet™), B17, B20, B25, B26, B28, B29, B30, B32, B38, B40, B41, B42, B43, B46, B48 (CBRS), B66, B71, B106 (Anterix)
LTE: IX25-4A-1G, IX25-4A-0G	4G LTE bands: B1, B2, B3, B4, B5, B7, B8, B8_US (Anterix), B12, B13, B14 (FirstNet™), B18, B19, B20, B25, B26, B28 3G bands: B1, B2, B4, B5, B6, B8, B19 2G bands: B2, B3, B5, B8
CONNECTORS	LTE and RedCap: (2) 50 Ω SMA (center pin: female); eMBB: (4) 50 Ω SMA (center pin: female)
SIM SLOTS / ESIM SUPPORT	(2) Nano-SIM (4FF) slots; soldered MFF2 Digi eSIM with eUICC (SGP .32) for remote provisioning and carrier switching
SIM SECURITY	SIM slot cover plate included

GNSS

TECHNOLOGY	GNSS Gen 9 with band L1 LNA for passive antenna use
ANTENNA	Upper L-band: GPS L1; Glonass G1; Beidou B1; Galileo E1 IX25 supports passive GNSS antennas rated at 1.5 – 3 dBi or active antennas with 7.5 – 26 dB gain (3.3 V feed)
PROTOCOL	NMEA 4.11 and TAIP
CONNECTOR	(1) 50 Ω SMA center pin: female

WI-FI 6E

TECHNOLOGY	Dual-band Wi-Fi 6E 802.11 a/b/g/n/ac/ax 2x2 MIMO for high-speed, reliable wireless connectivity (including 2.4 GHz, 5 GHz and 6 GHz)
CONNECTOR	(2) 50 Ω RP-SMA (male)

WIRED INTERFACES

ETHERNET	
PORTS / CONNECTOR	(4) RJ-45; 10/100/1000 Mbps Base-T (auto-sensing); IEEE 802.3; configurable as WAN or LAN

I/O

PORTS / CONNECTOR	(2) Digital input/outputs
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SERIAL

PORTS / CONNECTOR	(1) RJ-50 (RS-232/485, software-selectable)
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SOFTWARE AND MANAGEMENT*

REMOTE MANAGEMENT	Digi Ventus Genesis; SNMP v1/v2c/v3
LOCAL MANAGEMENT	Web UI (HTTPS); CLI (SSH, serial)

COMPUTE

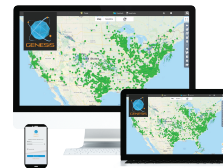
APPLICATION PROCESSOR	1.2 GHz quad-core ARM® Cortex®-A53 processor
RAM / FLASH	1 GB DDR / 8 GB eMMC

*Includes the Digi Ventus solution for Digi IX25 with Genesis, warranty and customer care.

**Visit digi.com/resources/certifications for latest approvals and updates.

***Contact your network operator regarding 5G SA support on their network. Digi IX25-5A-1G supports up to 2xCC (2x 5G SA Carrier Components).

Specifications and Technologies



Manage and configure Digi IX25 5G
with Digi Ventus Genesis

Specifications	Digi IX25 with Digi Ventus Genesis
PHYSICAL	
DIMENSIONS	146 mm x 118 mm x 38 mm (5.74 in x 4.64 in x 1.49 in)
WEIGHT	590 g (1.3 lb)
STATUS LEDS	PWR, WWAN, Wi-Fi, GNSS, Ethernet (link, activity)
ENCLOSURE / RATING	ABS/PC blend; IP30; private labeling options
POWER REQUIREMENTS	
POWER INPUT	9 – 30 VDC, reverse polarity protection, 18 – 30 VDC passive Power over Ethernet (PoE), USB Type-C Power Delivery (PD)
POWER CONNECTOR	4-pin Molex connector or USB Type-C Power Delivery (PD)
POWER CONSUMPTION	Idle power: 2.3 W (197 mA at 12 VDC)** — serial enabled
ENVIRONMENTAL	
OPERATING TEMPERATURE	–40 °C to 75 °C (–40 °F to 167 °F); Wi-Fi disabled at 60 °C to 70 °C (140 °F to 158 °F)
STORAGE TEMPERATURE	–45 °C to 85 °C (–49 °F to 185 °F)
RELATIVE HUMIDITY	0% to 95% (non-condensing) at 25 °C (77 °F)
APPROVALS***	
CELLULAR	PTCRB, AT&T, FirstNet Capable™, T-Mobile, Verizon, Anterix™ Active
SAFETY / SECURITY	IEC 62368-1, CB scheme, FIPS 140-3
ENVIRONMENTAL	Hazardous location: ATEX Zone 2; C1D2 (UL 121201); MIL-STD-810H (high and low temperature, vibration, shock)
EMISSIONS/ IMMUNITY	FCC Part 15 Subpart B, ISSED, CE, RED, UKCA, RCM
WARRANTY****	
PRODUCT WARRANTY	Limited Lifetime

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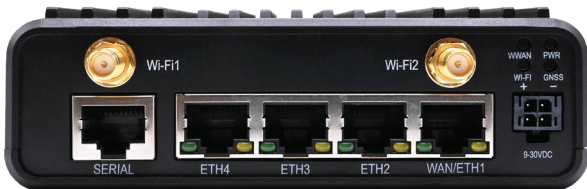
Product Photos

Digi IX25 5G Product Photos

Digi IX25



Digi IX25 — front (1G models with Wi-Fi 6E)



Digi IX25 — front (0G models without Wi-Fi 6E)



Digi IX25 — back (5A models)



Digi IX25 — back (4A and RA models)



Digi IX25 — left



Digi IX25 — right



For more information, please visit ventus.digi.com



For more information about Digi Ventus IX25,
visit ventus.digi.com/hardware

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