

ReliaGATE 50-21

- Integrated 2G/3G Cellular
- Wi-Fi, GPS and Zigbee Options
- Protected Wide Power Range
- Programmable & Cloud Ready
- Over-The-Air Configurable
- 1U 19" Rack Mountable Option
- Easy to Configure GUI



FEATURES

Industrial – Extended temperature operation and protected power supply give ReliaGATE 50-21 industrial strength.

Connected – With integrated support for Cellular, Wi-Fi, GPS and 802.15.4/Zigbee, ReliaGATE 50-21 provides a powerful combination of interfaces for a broad range of communication connectivity applications.

M2M and IoT (Internet of Things) Ready - Ideally suited for M2M applications to connect sensors, actuators and devices to the business enterprise.

Ready to Deploy - Includes a powerful network routing software application that provides simple web based configuration tool to deploy for M2M and network applications.

Programmable - Program the device quickly and simply using the Everyware™ Software Framework (ESF) and its plug-ins.

Cloud Ready - Enjoy the benefits of the Everyware™ Device Cloud (EDC) end-to end solution by collecting, controlling, transporting, and analyzing data from the field, regardless of how big your domain is; whether it is a building, a campus, a city, a country or the world.

The ReliaGATE 50-21 is a ready-to-deploy industrial grade smart device that enables communications, computation power, simplified application deployment and M2M platform integration for fast creation of M2M services.

The ReliaGATE 50-21 provides a flexible communication architecture that includes 2G/3G cellular, Wi-Fi, 802.15.4/Zigbee and GPS interfaces. It offers connectivity to a wide range of sensors and edge devices and makes it easy to deliver the data to business applications. The ReliaGATE 50-21 also includes interfaces for wired connectivity such as Dual Gigabit Ethernet, up to four serial ports, Dual CAN interfaces and analog and isolated digital I/O.

The ReliaGATE 50-21 can be programmed with the Everyware™ Software Framework (ESF), a portable, high level set of APIs and plug-ins that greatly simplify and speed up the development; for instance, ESF provides the MQTT plug-in, a highly efficient and robust M2M transmission protocol.

The ReliaGATE 50-21 is simple to manage and delivers out of the box connectivity and intuitive configuration of the routing parameters thanks to a web GUI and over-the-air options.

The ReliaGATE 50-21 is compatible with Eurotech's Everyware™ Device Cloud (EDC), the end-to end solution to bring data from the field into the business applications, through a flexible and scalable infrastructure and a number of cloud-based services.

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Specifications

Multi-Service Gateway & Edge Controller



CPU	Intel Atom Z510P, 1.1GHz
MEMORY	Up to 32 GB Flash with Compact Flash socket 512MB DRAM SODIMM (Support up to 2 GB DRAM)
WIRELESS	GPS – 50 channel receiver Wi-Fi – 802.11 a/b/g/n – Access Point & Client Cellular <ul style="list-style-type: none"> • Telit HE910 (UMTS/HSPA+) • Telit DE910 (CDMA/EvDO) • Telit GE910 (2G GSM/GPRS) 802.15.4 / Zigbee Support for Zigbee Pro Stack & NXP JenNet networking
INTERFACE	USB 4x USB 2.0 ports Ethernet 2x Gigabit Ethernet ports Serial 2x RS232/RS485/RS422 2x RS232/TTL (optional) CAN 2x CANBus Display 1x VGA Inputs 4x Isolated Digital Input 2x Analog Inputs Outputs 2x Isolated Digital Outputs
ROUTING	Static Routes DHCP DNS Client Firewalling Security AES, 3DES, SSH, IPsec NAT (Network Address Translation) Terminal Server & Client Port Forwarding
POWER SUPPLY	9 to 36 VDC (Nominal 12) with transient protection
POWER CONSUMPTION	8 W Typical
OS SUPPORT	Wind River Linux
ESF READY	Yes
EDC READY	Yes
DIMENSIONS	7.41" x 5.2" x 1.7" / 188 x 130 x 42.5 mm (L x W x H) w/o mounting brackets
OPERATING TEMPERATURE	Extended Temp -20° to 60°C Industrial Temp -40° to 85°C (options)
STORAGE TEMPERATURE	-40° to +85°C
HUMIDITY	95% relative humidity at +45°C non condensing
COMPLIANCE	CE, FCC, UL Equivalent
CARRIER CERTIFICATIONS	Verizon AT&T Sprint T-Mobile

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