

## 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.

# ReliaGATE 50-21

## 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	<b>GPS</b> – 50 channel receiver <b>Wi-Fi</b> – 802.11 a/b/g/n – Access Point & Client <b>Cellular</b> <ul style="list-style-type: none"> <li>• Telit HE910 (UMTS/HSPA+)</li> <li>• Telit DE910 (CDMA/EvDO)</li> <li>• Telit GE910 (2G GSM/GPRS)</li> </ul> <b>802.15.4 / Zigbee</b> Support for Zigbee Pro Stack & NXP JenNet networking
INTERFACE	<b>USB</b> 4x USB 2.0 ports <b>Ethernet</b> 2x Gigabit Ethernet ports <b>Serial</b> 2x RS232/RS485/RS422 2x RS232/TTL (optional) <b>CAN</b> 2x CANBus <b>Display</b> 1x VGA <b>Inputs</b> 4x Isolated Digital Input 2x Analog Inputs <b>Outputs</b> 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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