ReliaGATE 10-20

- **Next Generation IoT Smart Platform**
- **Wi-Fi & Bluetooth Connectivity**
- **ReliaCELL Ready - Plug & Play**
- **Easy GUI-Over-The-Air Configurable**
- **Open Software Framework**
- **Tools & Programmability**
- **Everyware Cloud Ready**

EC   **ESF**

FEATURES

Connected - With integrated support for Cellular and Wi-Fi, the ReliaGATE 10-20 provides a powerful combination of interfaces for a broad range of communication connectivity applications.

M2M and IoT 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 with simple web based configuration tools 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 Cloud (EC) end-to-end solution by collecting, controlling, transporting, and analyzing data from the field.

The ReliaGATE 10-20 is an industrial grade smart device that provides communications, computation power and a simplified application framework for M2M platform integration and services applications.

The ReliaGATE 10-20 offers a variety of communication interfaces including cellular, Wi-Fi and Bluetooth enabling connectivity to a wide range of sensors and edge devices essential in M2M applications. The ReliaGATE 10-20 also includes interfaces for wired connectivity such as Dual Gigabit Ethernet, CAN Bus, up to four serial ports and three USB ports.

The ReliaGATE 10-20 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.

For transportation applications, the ReliaGATE 10-20 offers a low power mode of operation and ignition sense capability.

The ReliaGATE 10-20 is compatible with Eurotech's Everyware Cloud (EC), 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.

EUROTECH
Imagine. Build. Succeed.

Ordering code: REGATE-10-20-XX			
XX	**- 01**	**- 21**	**- 31**
PROCESSOR — CPU	NXP/Freescale i.MX6 800MHz, 1 Core		
MEMORY — RAM	512MB DDR3 (up to 2GB Factory Option)		
STORAGE — Embedded	4GB eMMC (up to 64 GB Factory Option)		
STORAGE — Other	1x microSD Slot (User Accessible)		
I/O INTERFACES — Ethernet	2x 10/100/1000Mbps - RJ45		
I/O INTERFACES — USB	3x USB 2.0 - Type A		
I/O INTERFACES — Serial	1x RS-232/RS-485/RS-422 + 1x Serial Console RS-232 (Standard Option) 1x RS-232/RS-485/RS-422 + 1x Serial TTL (Factory Option)		
I/O INTERFACES — CAN	1x CANBus 2.0A		
I/O INTERFACES — Digital I/O	4x DI/O, 5V Level Output, 5V Input Protected to IEC61000 (15kV)		
I/O INTERFACES — Audio	1x Single Channel Line Out 1x Mic		
I/O INTERFACES — Analog I/O	2x Analog Input (8-bit, 0-45V)		
RADIO INTERFACES — Cellular	Eurotech ReliaCELL 10-20 Option (Internal Cellulal Factory Option)		
RADIO INTERFACES — GPS	50-channel GPS L1		No
RADIO INTERFACES — Wi-Fi / BT	802.11h a/b/g/n – Access Point & Client Bluetooth 4.0 (BLE)	No	
RADIO INTERFACES — Antennas (External)	2x SMA (Wi-Fi/BT, GPS)	1x SMA (GPS)	No
OTHER — RTC	Yes (Battery)		
OTHER — System Watchdog	Yes		
OTHER — EEPROM	Yes (16Mb)		
OTHER — Sensors	3-Axis Accelerometer		
OTHER — LEDs	1x Power, 3x Programmable		
POWER — Input	6 - 36VDC (Nominal 12VDC) with Transient Protection, Vehicle Ignition Input and Sleep Mode		
POWER — Consumption	4W Typical, 17W Max		
ENVIRONMENT — Operating Temp	- 40°C to +80°C		
ENVIRONMENT — Storage Temp	- 40°C to +85°C		
CERTIFICATIONS — Regulatory	FCC, CE, ISED		
CERTIFICATIONS — Safety	SAE J1455 (Vibration), UL§ 60950-1		
CERTIFICATIONS — Environmental	RoHS2, REACh		
CERTIFICATIONS — Wi-Fi / BT Radio	FCC, CE (RED), ISED		-
CERTIFICATIONS — IoT Platform	Microsoft Azure Certified		
CERTIFICATIONS — Ingress	IP40		
MECHANICAL — Enclosure	Material: Aluminum (Black Anodize) and Plastic		
MECHANICAL — Dimensions	7.35"x5.1"x2.4" / 187x139x61mm		

SOFTWARE	
OS	Yocto Linux
SDK	Yocto-based Eclipse Tooling
IoT Framework	Oracle Java SE Embedded Version 8 - Everyware Software Framework (Java/OSGi)

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