ReliaGATE 10-20

- **Next Generation M2M & IoT Smart Platform**
- **Wi-Fi & Bluetooth Connectivity**
- **ReliaCELL Ready - Plug & Play Global Cellular Connectivity**
- **Everyware Cloud Ready**
- **Easy GUI-Over-The-Air Configurable**
- **Open Software Framework Tools & Programmability**

EDC   **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 (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 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™ Device Cloud (EDC) 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 is the lowest power system in the ReliaGATE portfolio.

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, CANBus, 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™ 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.

EUROTECH
Imagine. Build. Succeed.

ReliaGATE 10-20 is shown with ReliaCELL 10-20 ruggedized cellular adapter. For more info please visit our website www.eurotech.com

System Architecture

CPU	Freescale i.MX6 800Mhz Solo Core Processor
MEMORY	4GB (Up to 64GB Flash with soldered down eMMC) MicroSD Expansion, 512MB DDR3 (support to 2GB)
WIRELESS	**GPS** – Supported with ReliaCELL (soldered down optional) **Wi-Fi** – 802.11 a/b/g/n – Access Point & Client **CELLULAR** – Supported with ReliaCELL, Certified Carriers (2G, 3G, LTE options) **BLUETOOTH** – BLE 4.0

INTERFACE		
	USB	3x USB 2.0 ports
	ETHERNET	2x Gigabit Ethernet ports
	SERIAL	2x RS232/RS485/RS422
		2x RS232/TTL (Factory Build Option)
	GPIO	4x, 5v level output, 5-25v input protected to IEC61000 (15kv)
	CAN	1x CANBus, 2.0B, up to 1Mbit
	AUDIO	1x channel line out, 1x Mic input
		2x Analog Inputs
	INPUTS	2x Analog Inputs, 8bit, 0-36V
	EXPANSION	Mini PCIe
	SENSOR	3 Axis Accelerometer
	RTC	Battery backed RTC

ROUTING	Static Routes DHCP DNS Client Firewalling Security AES, 3DES, SSH, IPsec NAT (Network Address Translation) Port Forwarding
POWER SUPPLY	6 to 36 VDC (Nominal 12) with transient protection, vehicle ignition input, low power mode of operation
POWER CONSUMPTION	4W typical minimum, 17W Max
OS SUPPORT	Yocto Linux
ESF READY	Yes
EDC READY	Yes
DIMENSIONS	7.35" x 5.1" x 2.4" / 187 x 139 x 61mm (L x W x H)
OPERATING TEMPERATURE	Industrial temperature: -40° to +80°C
STORAGE TEMPERATURE	-40° to +85°C
HUMIDITY	95% relative humidity at +45°C non condensing
COMPLIANCE	CE, FCC, IC, J1455, UL Equivalent, TELEC

Note: The information in this document is subject to change without notice and should not be construed as a commitment by EUROTECH. While reasonable precautions have been taken, EUROTECH assumes no responsibility for any error that may appear in this document. All trademarks or registered trademarks are the properties of their respective companies.

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург, Промышленная ул, дом № 19, литера Н, помещение 100-Н Офис 331