EN50155 Multi-service IoT Edge Gateway - Intel Atom, LTE Cat 4, IP66

BoltGATE 20-25

Rolling Stock Certified
Visual Programming
Fanless Performance
LTE, Wi-Fi/BLE, GPS
Open Platform
Highly Customizable
Long-term Availability

FEATURES

Rolling Stock Certified - Certified for EN50155 (TX Temperature Class, EN50155 Class S2 wide range power supply) and EN45545 (Fire and Smoke). Suitable for any heavy duty, rugged application where long-term availability and support is a must have requirement

Integrated Stack - Visually compose powerful data flows for bus data acquisition, edge analysis and cloud communication

Fanless Performance - Low power performance, with single, dual and quad core Intel Atom E38xx options in a fanless and ventless package

Highly Connected - Carrier pre-certified LTE cellular connectivity, 2.4/5.0GHz Wi-Fi, BLE, and Dead Reckoning GPS

Open Platform - Provides an integrated open IoT Edge Framework to free the developer from proprietary solutions

Highly Customizable - Modular design for application customizations, ranging from factory options to custom front panel connectors and software builds

Long-term Availability - Designed for markets and use cases where long-term availability and support is a must have requirement

By offering integrated hardware and software connectivity towards the Field and the Cloud, the BoltGATE 20-25 is a Multi-service IoT Edge Gateway, EN50155 and IP66 certified, designed to address the challenges of the next-generation applications for smart transportation and connected railway.

The BoltGATE 20-25 is a fanless, compact unit based on the Intel[®] Atom[™] E38xx processor; with up to four cores, 4GB of RAM and 8GB of eMMC it exceeds the requirements of rolling stock in the TX temperature class. Up to two internal or removable SATA disks and a user-accessible microSD slot provide plenty of storage capacity; other features include video, audio, two protected USB 2.0 ports, four isolated serial interfaces and DI/O, and CAN bus interfaces - and a wide range of connectivity capabilities including two Gigabit Ethernet, one LTE Cat 4 cellular modem, Wi-Fi, Bluetooth Low Energy, and a dedicated internal GPS with Dead Reckoning.

Powered by the Eurotech IoT Edge Framework, Everyware Software Framework (ESF), the BoltGATE 20-25 offers a friendly web-based user interface that allows to visually compose powerful data flows to acquire data from its interfaces, analyze it on the Edge, and publish it to the Cloud though the popular MQTT protocol. Everyware Cloud, Eurotech IoT Integration Platform, completes this solution by providing data integration to the applications and by offering complete management of the devices deployed on the field.

For customers requiring more configuration flexibility, Eurotech Professional Services offer an extensive number of options, both for the hardware (e.g. additional features, custom front panel/connectors, branding) and for the software (e.g. customized application images).



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Specifications

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1x Line IN, 1x 2W Class D Ste	· · · · · · · · · · · · · · · · · · ·
	-anel) – Optional: 1X HDIVII (Circular Connector)
	Odometer, 1x Ignition Key (All DI/O Isolated, EN50155), 24V
	100mA with 5V Power Out, Isolated
	2x RS-485/RS-422 (5-wire), 1x TTL Console (Service Panel)
., .,	Surge Protected, 1x USB 2.0 (Service Panel)
	000Mbps, M12 X-coded Connector
	Say for up to 2x 2.5" Drives (with Key Lock) icroSD Slot (Service Panel)
	IMC – Optional mSATA Module
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	3827, 1.75GHz, Dual Core - E3815, 1.46GHz, Single Core
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