

## Everyware IoT in Transportation and Mobility

All transportation systems, such as railways, buses and airplanes require complex infrastructures with a wide and diverse range of equipment.

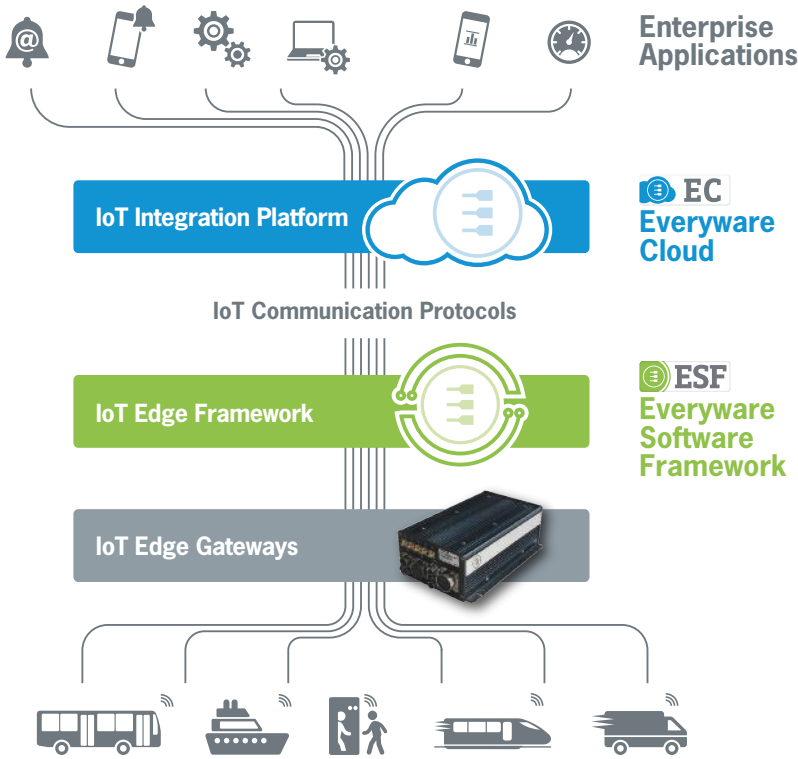
Eurotech's products enables multiple transportation solutions including digital signage, passenger information displays, and passenger counting, all in real-time. When combined with Everyware IoT, the complete IoT stack by Eurotech, Eurotech's technology addresses the challenges of the next-generation applications for smart transportation and connected railways.

The family of Multi-service IoT Edge Gateways by Eurotech is designed to meet the demanding requirements of rolling stock and automotive installations while offering integrated hardware and software connectivity options towards the vehicle and the remote cloud servers.

Powered by the Eurotech IoT Edge Framework, Everyware Software Framework (ESF), Eurotech Multi-service IoT Edge Gateways natively support transportation field protocols like CAN bus and Multifunction Vehicle Bus (MVB). The friendly ESF web-based user interface allows to create powerful data flows to acquire data from the vehicle, analyze it on the Edge, and publish it to the Cloud though the popular MQTT protocol. Everyware Cloud, Eurotech IoT Integration Platform, complements this solution by providing data integration service to the application and by offering complete management of the devices installed on the vehicles.

With Eurotech connected smart devices, Everyware Software Framework (ESF) and Everyware Cloud (EC), real-time data can be acquired and analyzed in order to offer an engaging passenger experience as well as to improve the operational efficiency.

With our connected smart devices, our Everyware Software Framework (ESF) and our Everyware Cloud (EC) it is possible to analyze and manage real-time data in order to improve passenger experience as well as infrastructure operability.



## The Complete Offer

In the Transportation market we can offer a broad portfolio of standard products, and with our **proven experience** in this demanding vertical we are able to offer tailored services and customised products to exceed customers' requirements.

Designed to be **globally** deployable, our hardware is ready for deployment in many regions and pre-certified for multiple industry verticals.

Our offer also includes end-of-life management, **Long-life** cycle product services designed for extended reliability.



# TRANSPORTATION SOLUTIONS

## EUROTECH

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## Transportation & Mobility

Eurotech is one of the worldwide leaders in embedded platforms for the public and commercial transportation market.

Eurotech develops a wide range of rugged subsystems designed specifically for mobile IT infrastructures like vehicle control, location tracking applications, public announcement and passenger information systems, passenger counting, fleet management and security/surveillance systems.

### Product Selection

Eurotech develops a wide range of **EN50155** and **Automotive-certified** subsystems designed to exceed the requirements for mobile IT infrastructures like vehicle control, location tracking applications, public announcement and passenger information systems, passenger counting, fleet management and security/surveillance systems. With an extremely **rugged** enclosure, these products are suitable for any application where **consistent performance** and **reliability** are a must.

### Edge Computers



DynaGATE 10-06

#### Rugged Multi-service IoT Edge Gateway

- E-Mark, SAE/J1455
- Internal UPS
- Internal LTE Cat 1 (NA, EU, JP), GPS, Dead Reckoning
- Rugged AMPSEAL Connectors



DynaGATE 10-12

#### Automotive Multi-service IoT Edge Gateway

- E-Mark, SAE/J1455
- High-retention Connectors and Transient Protection
- Internal LTE Cat 1 (NA, EU, JP), GPS, Dead Reckoning
- Native Field Protocol Support



BoltGATE 20-25

#### Rugged Multi-service IoT Edge Gateway

- Fanless and Ventless
- Rich Isolated I/O and Rugged Connectors
- Removable Storage
- Multiple Connectivity Options



BoltCOR 30-17

#### Rugged Fanless 1U Edge Server

- 19" 1U Rack Mount
- Multiple CPU Configurations
- High Computational and Storage Performance
- Suitable for Heavy Duty Applications



### Panel PC



DynaVIS 10-00

#### Rugged and Mobile Display Computer

- 5.7" VGA Touch-screen Display
- Built-in GPS
- Wi-Fi, 3G, Gigabit Ethernet
- Many Power Supply Options



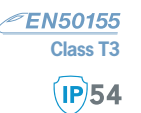
### Displays



DynaDOT

#### Ultra-Thin, Fanless Dot Matrix Information Panel

- Thin and Lightweight
- High Brightness (> 2.000 cd/m2)
- Smart Graphics, Bit-maps, Animations
- Daisy Chainable, with Ethernet Bypass



### Routers



BoltMAR 20-28

#### Rugged Embedded Services Router

- Fanless Design
- Features Cisco 5921 ESR
- Dual Cellular Connectivity and GPS with Dead Reckoning
- Multiple Connectivity Options



### Storage Systems



DuraNAS

#### Rugged Network Attached Storage

- Up to 1TB Aggregated Storage
- RAID 1 Functionality (up to 500GB)
- 10/100Mbit Ethernet
- DHCP Client Interface for Quick and Easy Setup



### People Counters



DynaPCN

#### Automatic Passenger Counter

- Contactless Vision Detection Technology
- Stereoscopic Vision Technology
- Built-in Infrared Illumination System
- High-accuracy Bidirectional Counting
- RS-485, Ethernet or PoE Versions



### HPEC Systems



DynaCOR 40-34

#### Compact Configurable HPEC System

- Automotive Grade Certifications
- Intel Xeon E3
- Compact and Liquid Cooled
- Power Management
- Configurable PCIe Slots for Expansion Cards
- Dimensions: 16x16x45 cm



DynaCOR 50-35

#### Configurable HPEC System

- Automotive Grade Certifications
- Dual Intel Xeon E5
- Compact and Liquid Cooled
- Power Management
- Configurable PCIe Slots for Expansion Cards
- Dimensions: 21x21x65 cm

