

Connected Embedded Solutions and Services

Eurotech is a global leading company that designs and produces automotive-grade and certified embedded systems for:

IoT and Edge Computing

Field data collection and management and cloud connectivity for fast access to edge-deployed devices and real-time data management and monitoring

Reliable Connectivity

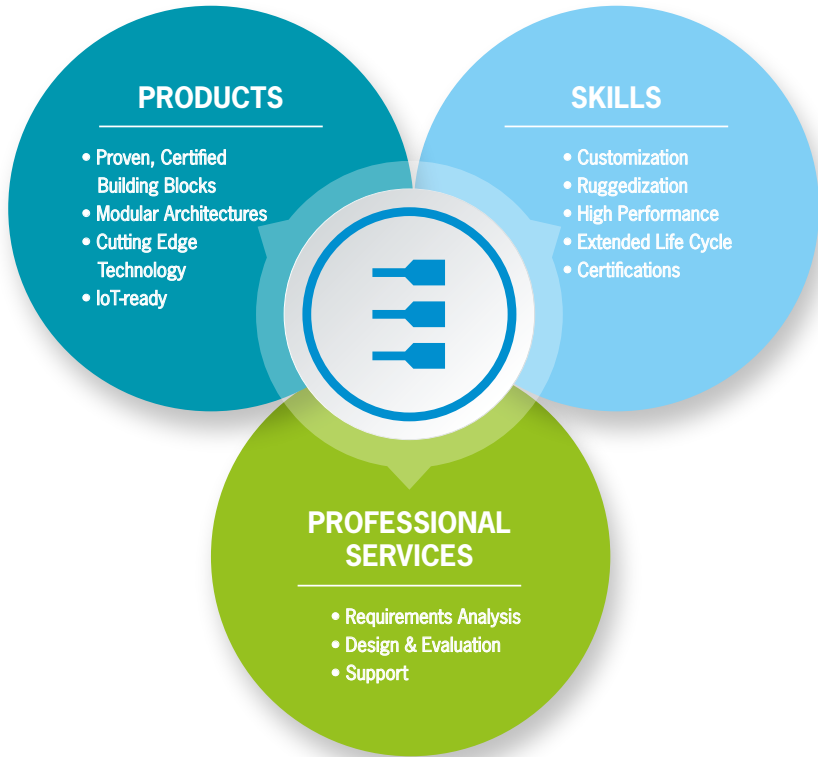
Reliable on-board connectivity and networking in the harshest environmental conditions

High Performance Embedded Computing

Bringing datacenter capabilities and advanced computational performances to the edge in a compact, easy-to-install enclosure

Solutions to Win the Challenges of Embedded Automotive Applications

- Ruggedness
- Integration with other systems
- Power efficiency
- Stable and reliable performances
- Integration with IoT applications



EUROTECH
eurotech.com

North America
sales.na@eurotech.com

Europe, Middle East and Africa
sales.it@eurotech.com

Latin America
sales.la@eurotech.com

Asia Pacific
sales.ap@eurotech.com



AUTOMOTIVE SOLUTIONS



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Eurotech Solutions address the Challenges of any Automotive Applications

Ruggedness

- Products designed for embedded long-term applications
- Soldered-down components
- Rugged enclosures and connectors
- Extended operating temperature range

Integration with other systems

- Open standards
- High level of customization

Power efficiency

- Low power modules and systems
- Power management and control systems

Stable and reliable performances

- Edge computing capabilities
- Multiple connectivity options
- Accurate vehicle location (GPS, Dead Reckoning, GNSS)

Powerful software and integration with IoT applications

- Cloud-based application integration services
- Remote device management and diagnostics
- Remote data access and management

Everyware IoT - Open, Integrated, Managed IoT Solutions

Data is gold, and can revolutionize the way automakers conduct their business. Eurotech edge-to-cloud IoT architecture - Everyware IoT - provides integration between devices installed on vehicles and enterprise IT applications via the cloud.

Everyware IoT enables innovative and value-added business models based on data avoiding vendor lock-in and architecture fragmentation.

IoT and Edge Computing



DynaGATE 10-12

Automotive Multi-service IoT Edge Gateway

IP40

-40 to +85°

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



DynaGATE 10-06

Rugged Multi-service IoT Edge Gateway

IP67

-40 to +85°

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



BoltGATE 20-25

EN50155 Multi-service IoT Edge Gateway

IP66

-40 to +85°

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

Reliable Connectivity



BoltMAR 20-28

EN50155 Embedded Services Router

IP66

-40 to +85°

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



ReliaCELL 10-20

Rugged Cellular Expansion Module

IP67

-40 to +85°

- Rugged and Compact
- Certified and Carrier Approved
- Global 2G/3G/LTE Cellular
- Easy USB Installation and Maximum Compatibility

High Computational Performances



CPU-161-18

HPEC-ready Intel Xeon D Module

-40 to +85°

- COM Express Compact Type 6, PICMG R2.1 Compliant
- HPEC with up to 12 Cores
- Conformal Coating and Soldered Components
- Hybrid RAM Architecture



BoltCOR 30-17

Rugged Fanless 1U Edge Server

IP40

-40 to +85°

- 19" 1U Rack Mount
- High Computational and Storage Performances
- Compliant with Industry Standards
- Suitable for Heavy Duty Applications



DynaCOR 40-34

Compact Configurable HPEC System

0 to +50°

- Automotive Grade Certifications
- Intel Xeon E3
- Compact and Liquid Cooled
- Power Management
- Configurable PCIe Slots for Expansion Cards



DynaCOR 50-35

Configurable HPEC System

0 to +50°

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

HPEC for Autonomous Driving Applications

Eurotech HPEC systems bring supercomputing capabilities on board for deep learning and edge computing operations. They are equipped with cutting-edge CPUs and GPUs to **win the complexity of autonomous driving algorithms** and provide **extreme computational performances** at the edge.

They resist against the harshest temperature, vibration, and shock conditions in embedded environments thanks to a **compact, rugged and fanless design**. Their innovative **liquid cooling** system offers the best performances in terms of computational density and heat dissipation, improving system's energy efficiency.

Eurotech HPEC systems are designed for Autonomous Driving applications to provide:

- High computational performance at the edge
- High level of customization
- Compact and rugged embedded design
- Liquid cooling for maximum computational density and power efficiency

Enabling Intelligent Mobility

Eurotech connected hardware and software IoT systems enable intelligent mobility to enhance driving experience, safety and comfort.

Maximizing their computing capabilities, Eurotech embedded systems for Automotive connect to sensors and other in-vehicle systems to collect, analyze and process data for real-time situational awareness. Those information are useful to the driver as well as the car manufacturer to enable remote monitoring, system upgrades and predictive maintenance operations.

Eurotech systems are also able to connect to surrounding digital infrastructures as well as the cloud enabling connected mobility business models.