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

PRODUCTS
- Proven, Certified Building Blocks
- Modular Architectures
- Cutting Edge Technology
- IoT Ready

SKILLS
- Customisation
- Ruggedisation
- High Performance
- Extended Life Cycle
- Certification

PROFESSIONAL SERVICES
- Requirements Analysis
- Design & Evaluation
- Support

Eurotech is a global leader in the design and production of automotive-grade and certified embedded systems, focusing on solutions for IoT and Edge Computing, reliable connectivity, and high-performance embedded computing. Their solutions are tailored to address the challenges of embedded automotive applications, including ruggedness, integration, power efficiency, and stable, reliable performances. Eurotech offers professional services such as requirements analysis, design, and support, ensuring a comprehensive solution for their customers.

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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

**EUROTECH**

**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 invehicle 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.

**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 in 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.

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

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

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

**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 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

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

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

**Automotive HPEC NAS**
- Shock & Vibe and E-Mark Certified
- 16TB NVMe Storage
- Dual 40/56 Gigabit Ethernet
- In-vehicle Installation
- Liquid Cooling

**Automotive HPEC Server**
- In-vehicle Deep learning
- Shock & Vibe and E-Mark Certified
- Dual 14-core Intel Xeon
- NVIDIA GeForce GTX GPUs
- Dual 40/56 Gigabit Ethernet
- Liquid Cooled