# Eurotech announces BoltCOR 32-18, a rugged, fanless, ventless 2U Server for AI and GPU-acceleration at the Edge

*With Rolling Stock certifications and multiple connectivity options, it enables AI and deep learning applications in the harshest operational environments while ensuring an extreme reliability*

**Amaro (Italy), April 8th, 2021** – Eurotech, a long-time leading provider of embedded computing systems and leader in Internet of Things (IoT) enablement, announces its newest GPU-accelerated Server for AI applications at the Edge and on vehicles.

The BoltCOR 32-18 is a 2U, ultra-shallow server that combines the extreme ruggedization of a fanless, ventless system with the computational power of a high-end CPU and universal deep learning accelerator.

The BoltCOR 32-18 supports both traditional and GPU-accelerated workloads thanks to an Intel Xeon E-2276ME, with 6 cores at up to 4.5GHz, a main RAM of up to 64GB DDR4 and one NVIDIA T4 with 320 Turing Tensor Cores, 2560 CUDA cores and 16GB of dedicated GDDR6 RAM.

Designed to enable real server use cases in the harshest operating conditions, the BoltCOR 32-18 comes with high-end feature such as multiple GbE interfaces, optional 10GbE and PoE. Storage capacity is also outstanding thanks to four hot-swappable bays for SATA drives and optional RAID, which complement the internal NVME module.

Wireless connectivity features the latest technologies: the BoltCOR 32-18 provides up to four dual-SIM 5G/LTE modems in addition to Wi-Fi 6 and Bluetooth 5.1, while a multi-constellation GNSS with Untethered Dead Reckoning delivers geolocation and precise timing.

"The BoltCOR 32-18 is a game changer for Edge applications that require GPU acceleration and the highest level of reliability" said Giuseppe Surace, Eurotech's CP&MO. "Eurotech developed innovative cooling solutions to enable packing so much performance in this very compact and fanless unit".

The BoltCOR 32-18 features rugged M12 connectors and is EN50155 and EN45545; it supports wide power input (24-110VDC, isolated EN50155 Class S2) and EN50155 OT1 ST0 operating temperature range (-25 to +55°C) making it suitable for Rolling Stock and Heavy-Duty applications; it has a 2U, 19" rack mount form factor and is extremely shallow to fit in most recesses.

Availability: Q4'21

## About Eurotech

Eurotech (ETH:IM) is a multinational company that designs, develops and supplies Edge Computers and Internet of Things (IoT) solutions – complete with services, software and hardware – to system integrators and enterprises. By adopting Eurotech solutions, customers have access to IoT building blocks and software platforms, to Edge Gateway to enable asset monitoring and to High Performance Edge Computers (HPEC) conceived also for Artificial Intelligence (AI) applications. To offer increasingly complete solutions, Eurotech has activated partnerships with leading companies in their field of action, thus creating a global ecosystem that allows it to create "best in class" solutions for the Industrial Internet of Things. Learn more

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