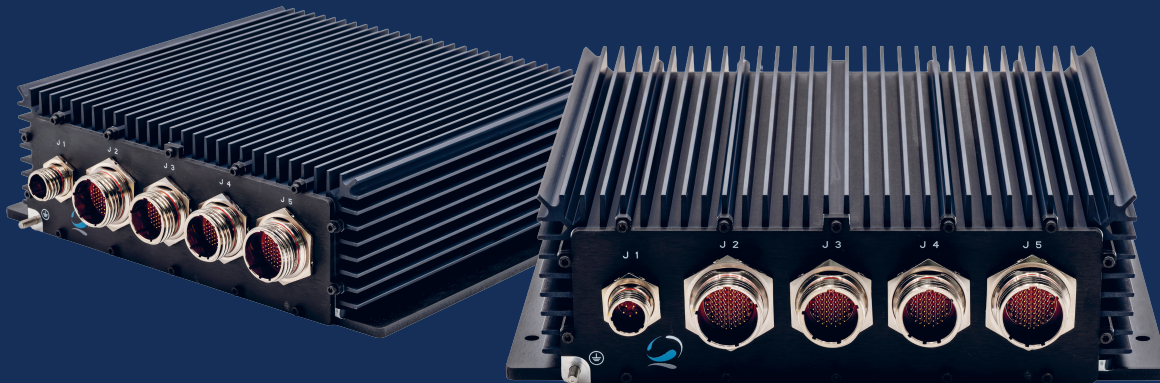


"GPU READY" HIGH PERFORMANCE RUGGED MISSION COMPUTER

expando



Powered by the latest generation of Intel® processors and MIL-GRADE qualified. The computer is manufactured in Europe and is a highly integrated processing system ready for deployments in extreme environments.

Powered by the latest generation of Intel® processors and qualified to meet military environmental standards (DO-160, MIL-STD-810G, and MIL-STD-461), this system delivers high-performance, rugged, and scalable computing for air, land, and sea platforms.

It is ideally suited for electronic warfare and other mission-critical applications requiring a conduction-cooled system with AI, graphics, and security capabilities.

Built on a modular and rugged architecture, it offers a fully qualified and customizable solution with long-term support tailored to defense industry needs.

The system integrates an Intel® Xeon® processor via a Type-6 COM Express module and includes an MXM slot for additional NVIDIA GP-GPU acceleration. Expansion is also supported through mini-PCIe and PMC slots.

System integrators benefit from a state-of-the-art, ruggedized platform designed for reliability in harsh environments.

FEATURES

- **CPU options:** Intel® Xeon® E-2276ML or W-11865MRE
- **Up to 64GB ECC DDR4 RAM** for mission-critical memory integrity
- **NVIDIA GP-GPU support** via MXM slot for AI or graphics acceleration
- **Internal 2.5" SSD slot** for high-reliability storage
- **TPM 2.0**
- **3x Gigabit Ethernet (10/100/1000 BaseT)**
- **Compliant with DO-160, MIL-STD-810G, and MIL-STD-461**
- **Expansion:** mini PCIe, MXM GPU, PMC slots
- **Conduction cooled system**
- **IP67 sealed enclosure with MIL-grade connectors**
- **ITAR-free**

"GPU READY" HIGH PERFORMANCE RUGGED MISSION COMPUTER

TECHNICAL SPECIFICATIONS

SYSTEM

CPU	Intel® Xeon® E-2276ML @ 2.0GHz, 6 cores, cTDP limited to 25W Intel® Xeon® W-11865MRE @ 2.4GHz, 8 cores, cTDP limited to 25W
Memory	Dual channel ECC DDR4 memory up to 64GB
Ethernet	3x 10/100/1000 Base-T Ethernet ports. Optional 1000Base-SX via custom rear panel
Storage	1x internal 2.5" SSD slot
Front I/O	Power supply, USB, Serial, GPIO, DVI-D, VGA, Ethernet, Audio, GPGPU, PMC
Expansion I/O	1 x PMC slot and 1 x mini PCIe slot 1x MXM slot for NVIDIA GP-GPU
Video output	1x DVI-D Single Link (Intel HD Graphic) 2x DVI-D with MXM module featuring NVIDIA GP-GPU. (cTDP limited to 25W - 30W).
Audio	Intel® HD Audio: 1x In and 1x Out Lines
USB 2.0	4x USB2.0 High / Full / Low speed
USB 3.0 (On request)	MIL-DTL-38999 USB Field connector on rear panel
Operating system	Windows 10 32/64-bit, Linux 32/64-bit.

POWER SUPPLY

Power Supply	+28VDC (+14VDC up to +36VDC)
Power Consumption	From 45W to 90W

MECHANICAL

Dimensions	300 x 250 x 88 mm (W x H x D)
Weight	7.5 kg
Connectors	MIL-DTL-38999 connectors Customizable front panel for specific application
Cooling	Convection & radiation by fins, conduction by cold plate (conduction cooled inside)

ENVIRONMENTAL - (DESIGN TO MEET)

Operating Temperature	Standard: -40 C / +55 C Extended: Up to +71 C (depending on the configurations)
Operating Humidity	0% to 95% non-condensed (depending on the configurations)
Storage Temperature	-40C / +85 C
Altitude	Up to 15 000 feet
Vibrations	DO-160 / MIL-STD-810G
Operating Shock	DO-160 / MIL-STD-810G
Certifications	CE, REACH, RoHS, WEEE, CoC

The computers are designed in accordance with the environmental specifications indicated.
Some parameters depend on the configuration. Equipment may be subjected to dedicated test profiles.