RUGGED MXM GPU EDGE AI COMPUTER

ASUS IoT PE3100G series is a rugged edge AI computer tailored for computer-vision applications. It's driven by an up to 13th Gen Intel® Core™ i7 processor and compatible with NVIDIA® Ampere/Ada Lovelace or Intel® Arc™ A-series MXM GPU modules. Specifically, Intel® Arc™ A350M, A370M, A530M, A570M and A730M MXM GPUs are manufactured and supported by ASUS IoT. The system is equipped to handle MXM 3.1 Type A and Type B GPU modules, catering to graphically-demanding tasks.

This powerful edge AI computer accelerates AI inference while delivering high-performance computing and image-processing capabilities, excelling in AI-intensive environments. PE3100G series offers three 2.5 GbE and one GbE ports with PoE+ providing a total power budget of 100 W for connected devices or sensors. Furthermore, with optional MXM GPUs, PE3100G series is able to drive up to eight display outputs — making it a truly versatile option for industrial use.

Main Features:

- Supports NVIDIA® Ampere/Ada Lovelace or Intel® Arc™ A-series MXM GPU, for diverse AI computing at the edge
- Supports MXM 3.1 Type A and Type B form factor GPU module, up to 125 W
- 13th Gen Intel® Core (Raptor Lake-P, H) 45 W CPU, up to 64 GB DDR5 4800 SDRAM
- Patented system architecture and thermal design ensure fanless operation from -20°C to 60°C with 60W MXM GPU module.*
- 3 x 2.5 GbE and 1 x GbE ports with optional PoE+ support
- 1 x M.2 M key (NVMe), 1 x M.2 B key (4G/5G NR), 1x M.2 E key (WiFi 6)
- 8-48V wide-range DC input with built-in ignition power control

- MIL-STD-810H and withstands 5 Grms vibration

For full product
info and datasheet
Click here

Asus IoT

ASUS IoT is a sub-brand of ASUS dedicated to the creation of incredible solutions in the fields of AI and IoT. Our mission is to become a trusted provider of embedded systems and partner to the wider AIoT solutions ecosystem.