



DA-1200 – Rugged Embedded Fanless System with Intel® Alder Lake-N Processor N97

The DA-1200 is a compact rugged embedded fanless system equipped with an Intel® Processor N97 Quad Core. With a small footprint, as well as optional CMI I/O expansion, including additional display options, this system can be tailored to specific industrial needs. The DA-1200 is powerful and tiny, making it best for IoT gateway applications in smart manufacturing, smart logistics, and factory automation.

SPECIFICATIONS

CPU	Onboard Intel® Alder Lake-N Processor N97 Quad Core, up to 3.6 GHz
Memory Type	262-pin DDR5 4800MHz SO-DIMM (un-buffered and non-ECC)
Memory Slots	1
Maximum Memory Supported	16GB
Chipset	Integrated in SoC
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	Software Programmable Supports 256 Levels System Reset
Video	1 x DisplayPort (4096 x 2304 @ 60Hz)
LAN Ports	2 x Intel® I225 2.5 GbE LAN
Serial ATA (SATA)	1 x SATA III for 2.5" SSD or Half-Slim SATA SSD
Extended Interface	1 x M.2 B-Key 3042/3052 PCIe Gen 3×1/ USB3.2 Gen2 x1 / SATA, 1 x M.2 B-Key 2242 PCIe Gen 3×2, 1 x Front Accessible SIM Socket, 1 x Combined Multiple Interface for optional CMI Module Expansion
Front I/O	1 x DP, 2 x LAN, 2 x 10Gbps USB 3.2 Gen 2×1, 1 x Remote Power Switch 2-pin Terminal Block, 1 x Remote Power LED 2-pin Terminal Block

Power Requirement	9 ~ 48V DC Input 3-Pin Terminal Block
Dimensions	5.91" x 4.13" x 2.06" (150mm x 105mm x 52.3mm)
Operating Temperature	-40 ~ 70°C (-40 ~ 158°F)
Storage Temperature	-40 ~ 70°C (-40 ~ 158°F)
Relative Humidity	95% @ 70°C, non-condensing
Shock	MIL-STD-810H
Vibration	MIL-STD-810H
OS Software Supported	Windows 11, Windows 10, Ubuntu 22.04
Global P/N / SKU	1708603

Ordering Options

DA-1200-N97-R10 (SKU# 1708603): Intel® Alder Lake-N Processor N97 Rugged Embedded Computer [CMI Module List \(https://globalamericaninc.com/wp-content/uploads/2024/12/CMI-Module-List.pdf\)](https://globalamericaninc.com/wp-content/uploads/2024/12/CMI-Module-List.pdf)