

NES109-E01/E02

Industrial Fanless Systems Series



NES109-E01/E02

PRODUCT HIGHLIGHTS

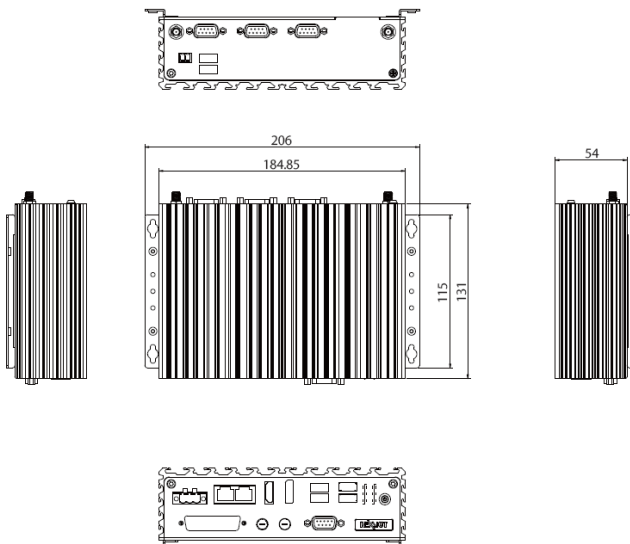
- ▶ Intel® Celeron® J6412 or Atom® x6211E
- ▶ 1 HDMI and 1 DisplayPort with dual view support
- ▶ 2 GbE LAN and 4 COM ports
- ▶ Wide operating temperature
- ▶ Wide range power input from 9 to 30 VDC
- ▶ 1 x M.2 & 1 x mini-PCIe expansion slot



TECHNICAL INFORMATION

PROCESSOR	Intel® Celeron® processor J6412 2.0Ghz Intel Atom® processor x6211E 1.3Ghz
CHIPSET	SoC
SYSTEM MEMORY	1 x SO-DIMM DDR4 non ECC up to 2666 MT/s, 16GB max
COM	2 x RS232/422/485 auto flow control & 1 x RS232
USB	3 x USB 3.0, 3 x USB 2.0
ETHERNET	2 x Intel® I210-IT GbE LAN ports; support WoL, teaming and PXE
DISPLAY	1 x HDMI, 1 x DisplayPort
EXPANSION	1 x mini-PCIe socket for optional Wi-Fi/3.5G/4G/LTE module (for 3.5G/4G/LTE function, support SIM card holder on-board)
STORAGE	1 x M.2 (SATA/PCIe x 1, 2242, Key B & B+M) & 1 x 2.5" SATAIII SSD
OTHERS	2 x Antenna hole for optional Wi-Fi/4G/LTE antenna
POWER SUPPLY	9 to 30 VDC
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium and metal chassis with fanless design
OPERATING TEMPERATURE	NES 109-E01 ambient with air flow: -20°C to 70°C NES 109-E02 ambient with air flow: -5°C to 55°C
RELATIVE HUMIDITY	10% - 90%, non-condensing
VIBRATION	Vibration protection with SSD & M.2: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
SHOCK	HDD: 20G, half sine, 11ms, IEC60068-2-27 M.2: 50G, half sine, 11ms, IEC60068-2-27
DIMENSIONS (W X D X H)	185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket
CERTIFICATIONS	CE approval: EN61000-6-2, EN61000-6-4, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
OPTIONS	AC adapter
PART NUMBERS	NES 109-E01 Intel Atom® processor x6211E 1.3Ghz NES 109-E02 Intel Celeron® processor J6412 2.0Ghz

Dimensions



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