

NES-108

Industrial Fanless Systems Series



NES-108

PRODUCT HIGHLIGHTS

- ▶ On board Intel® Celeron® processor J3455 Quad Core, 1.50GHz
- ▶ Dual independent display from DP1 & DP2
- ▶ 2 x Intel® I210-IT GbE LAN ports; support WoL, teaming and PXE
- ▶ Support both 2.5" HDD and M.2 (front access)
- ▶ 2 x USB 2.0 & 2 x USB 3.0
- ▶ 3 x COM ports (COM3 with RS232/422/485, jumper-free setting)
- ▶ Supports -5°C~55 °C extended operating temperature
- ▶ Support 24V DC input



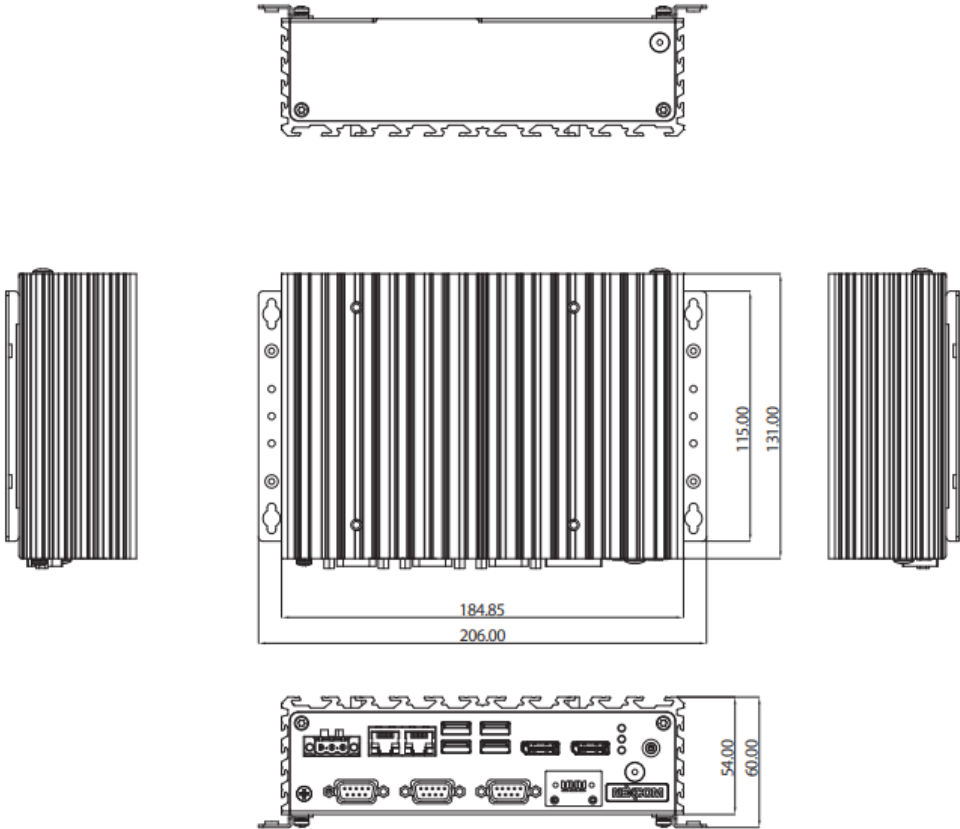
TECHNICAL INFORMATION

PROCESSOR	On board Intel® Celeron® processor J3455 Quad Core, 1.50GHz
SYSTEM MEMORY	1 x DDR3L SO-DIMM socket, support DDR3L1866 8GB RAM max., un-buffered and non-ECC
DISPLAY	Dual independent display: DP1 & DP2
I/O INTERFACE-FRONT	ATX power on/off switch 1 x Power status/1 x HDD access/1x programing LEDs 2 x USB 3.0 (900mA per each) 2x USB 2.0 (500mA per each) 2 x Intel® I210-IT GbE LAN ports; support WoL,teaming and PXE 1 x DB9 for COM3, it supports RS232/422/485 with auto flow control - Jumper-free setting on RS232/422/485 by BIOS 2 x DB9 for COM1 & COM2, support RS232 only - COM1 support ring function - COM2 support 5V/12V/ring function by jumper setting, ring as the default 1 x 3-pin DC input, support 24 VDC input 1 x Antenna hole for optional WI-FI/3.5G antenna 1 x 3-pin remote power on/off switch
I/O INTERFACE - REAR	1 x Antenna hole for optional WI-FI/3.5G antenna
STORAGE DEVICE	1 x M.2 (SATA 2.0, 2242) 1 x 2.5" HDD (SATA 2.0)
EXPANSION SLOT	1 x mini-PCIe socket for optional WI-FI/3.5G/4G module (For 3.5G/4G function, mini-PCIe module must have SIM card holder)
POWER REQUIREMENTS	Power input: DC input: 24V 1 x Optional 24V, 60W power adapter
SUPPORTED OS	Windows 10 IoT Enterprise, 64-bit Linux Kernel version 4.1
DIMENSIONS	185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket
MECHANICAL CONSTRUCTION	Aluminium and Metal Chassis with fanless design
ENVIRONMENT	Operating temperature: Ambient with air flow: -5°C to 55°C with industrial grade device (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14) Storage temperature: -20°C to 80°C Relative humidity: 10% to 95% (non-condensing) Shock protection: - HDD: 20G, half sine, 11ms, IEC60068-2-27 - CFast: 50G, half sine, 11ms, IEC60068-2-27 Vibration protection w/ HDD condition: - Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64 - Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-6 Vibration protection w/ SSD condition: - Random: 2Grms @ 5~500 Hz, IEC60068-2-64 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

► TECHNICAL INFORMATION (CONTINUED)

CERTIFICATIONS	CE FCC Class A
OPTIONS	24V, 60W AC/DC power adapter w/o power cord

► MECHANICAL DRAWING



► Company Address

Kontron UK Limited
Units 3, 4, 5, 9 & 10 New Bury Park
Marsh Lane, Easthampnett, UK
TEL: +44 (0) 1243 380780
uksales@kontron.com
www.industrial-computers.com