


All systems are fully configured & integrated to our customer's specifications including:

- Memory
- HDD/SSD
- Operating System
- Application Software
- PCI/PCle card Installation




Main Features

- Onboard Intel® Celeron® processor N3160 quad core, 1.6GHz
- 3 x display output: 1 x HDMI display + 1 x DVI-D + 1x DP port
- 2 x Intel I210AT GbE LAN ports; Support WoL, Teaming and PXE
- 4 x USB 3.0
- 2 x DB9 for RS232/422/485, 2x DB9 for RS232
- 1 x Mini-PCle for optional Wi-Fi/3.5G/LTE modules
- Support -5°C~55°C extended operating temperature
- Support 9 ~ 30V DC input

Overview

Powered by the latest generation of Intel® Celeron processor N3160 Quad core, 1.6GHz (formerly codenamed "Braswell"), the NES-106-N3160 is an intelligent PC-based controller and IOT gateway for factory automation. Up to 4GB on board DDR3L memory, the NES-106-N3160 supports an operating temperature range from -5 up to 55 degree C with typical DC input 9~30V. The NES-106-N3160 has expandability with optional Mini-PCle modules and 4 x COM ports for a reliable connection with devices in factory automation applications, IOT applications (with optional GbE LAN, Wi-Fi, 3.5G/4G LTE module) and communication applications (with optional GPIO, RS232/422/485).

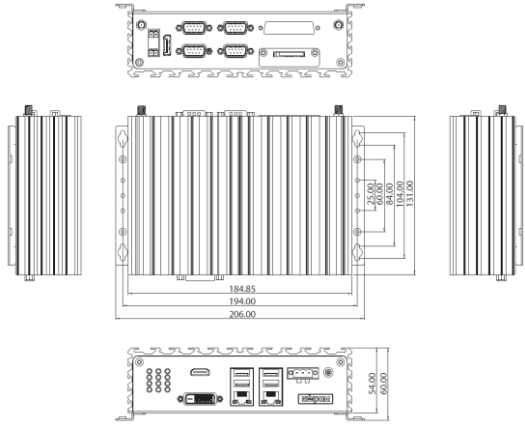
The compact fanless design and optional accessories ensure the NES-106-N3160 is the ideal choice for M2M intelligent applications

Specification

CPU Support	Onboard Intel® Celeron® processor N3160 quad core, 1.6GHz Support Intel® Pentium®/Celeron® N3000 processor family from dual core N3000/N3050 and quad core N3700 (NES-106 N3700 model)
Main Memory	1 x DDR3L SO-DIMM socket, support DDR3L 1600/1333 4GB RAM max., un-buffered and non-ECC
I/O Interface-Front	ATX power on/off switch 1 x Power status, 1 x HDD access, 1 x battery low, 1 x programming, 4 x Tx/Rx LEDs 2 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE 1 x HDMI + 1x DVI-D display output 4 x USB 3.0 (900mA per each) 1 x 3-pin DC input, support +9 to 30VDC input
I/O Interface-Rear	1 x Display Port 1 x SIM Card holder 1 x external CFast socket 2 x DB9 for RS232/422/485 with auto flow control (COM1 and COM2) 2 x DB9 for RS232 (COM3 and COM4) 2 x Antenna holes for optional Wi-Fi/3.5G antenna 1 x remote power on/off switch 1 x optional I/F for optional Mini-PCle Wi-Fi/3.5G/LTE/
Storage Device	1 x 2.5" HDD (SATA3.0)
Expansion Slot	1 x Mini-PCle socket for optional Wi-Fi/4G LTE/3.5G modules
Power Requirements	Power input: +9 to 30 Vdc 1 x optional 24V, 60W power adapter
Dimensions	185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket
Construction	Aluminium chassis with fanless design

Environment	Operating Temperature: Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14) Storage temperature: -30°C to 85°C Relative Humidity: 10% to 95% (non-condensing) Shock protection: - HDD: 20G, half sine, 11ms, IEC60068-27 - CFast: 50G, half sine, 11ms, IEC60068-27 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/CFast & SSD condition: - Random: 2Grms @ 5~500 Hz, IEC60068-2-64 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
Certifications	CE FCC Class A
OS Support List	Windows 7 Windows 8.1 Windows Embedded Standard 7 Windows Embedded Standard 8 Android 4.4

Dimension Drawing



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