

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

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



Main Feature

- Onboard Intel® Atom™ Dual Core D2550 processor,
- 1.86 GHz
- Intel® NM10 Express chipset
- 1x DVI-I & 1x HDMI display output
- Dual Intel® 82574L GbE LAN ports
- 2x RS-232/422/485 and 2x RS-232
- 6x USB2.0
- 1x external CFast socket
- 1x mini-PCle with two antenna holes
- Support +10 to 28VDC input; Support ATX power mode

Overview

Powered by Intel® Atom™ Dual Core D2550 1.86 GHz and NM10 PCH, the NES-104 has higher graphic and computing performance, but 3 Watts less power consumption, when compared with previous Atom platforms. This extra performance however does not change the design criteria as the NES-104 is still fanless and cables-less in a compact chassis, 185mm (W) x 131mm (D) x 54mm (H). The NES-104 offers dual independent display capabilities through DVI-I and HDMI connectors, Dual Intel GbE LAN ports, 6x USB2.0, 2x RS-232, 2x RS-232/422/485, CFast socket and a Mini-PCle socket for optional wireless module connection, either WiFi or 3.5G module.

The NES-104 supports +10 to 28VDC input providing reliability in different power conditions, perfect for use in factory or machinery automation. With Dual independent display and enhanced graphic performance, the NES-104 is an ideal choice for public information, self-service Kiosk, access control or data acquisition controller...etc.

Specification

CPU Support	Onboard Intel® Atom™ Dual Core processor D2550, 1.86 GHz, 1M L2 cache Intel® NM10 Express chipset
Main Memory	1 x DDR3 SO-DIMM sockets, support up to 4G DDR3 -800/1066SDRAM, un-buffered and non-ECC
I/O Interface-Front	ATX power on/off switch HDD access/ power status LEDs 4x COM ports (COM2& 3: RS-232/422/485) 2x USB2.0 ports Audio jack (speaker-out & Mic-in) 2x antenna holes
I/O Interface-Rear	Dual Intel® 82574L GbE LAN ports; Support WoL, teaming and PXE 4x USB2.0 port 1x HDMI 1x DVI-I (support VGA & DVI-D display via cable) 1x 2-pin DC input, Support +10 to 28VDC input 1x external screwed type CFast socket
Device	1x 2.5" HDD drive bay 1x External CFast Socket 1 x mini-PCle socket (support optional Wi-Fi or 3.5G module)
Power Requirements	Support +10 to 28VDC input 1x optional 12V, 60W power adapter
Dimensions	185mm(W) x 131mm(D) x 54mm(H) (7.28"x 5.2"x 2.13")
Construction	Aluminium chassis with fanless design

Environment

Operating temperature:
Ambient with air flow: -5°C ~ 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
Storage temperature: -20°C ~ 80°C
Relative humidity: 10% to 93% (non-Condensing)
Shock protection: 20G, half sine, 11ms, IEC60068-2-27
Vibration protection
Random: 0.5Grms @5~500 Hz according to IEC68-2-64
Sinusoidal: 0.5Grms @5~500 Hz according to IEC68-2-6

Certifications

CE approval FCC Class AUL

OS Support List

Windows XP 32bit & 64bit, Windows 7 32bit & 64bit, WinCE 7.0, Android 4.0

Dimension Drawing

