

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® Atom™ processor E3826 dual core, 1.46GHz
- 1 x HDMI Display
- 1 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE
- 4 x USB 2.0
- 3 x COM ports with RS232, each port only have Tx/Rx/GND
- 3 x Optional Interface for optional WiFi/3.5G/LTE modules
- Support -5 ~ 55 degree C extended operating temperature
- Support 12V DC input

**Overview**

Powered by the latest generation of Intel® Atom™ processor E3826 (formerly codenamed "Bay Trail-I"), the NES-50C is an intelligent PC-based controller and IOT gateway for multiple applications. Up to 2GB on board DDR3L memory, the NES-50C supports an operating temperature range from -5 up to 55 degree C with typical DC input 12V. The NES-50C has expandability with optional Mini PCIe modules and 3 x COM ports to create a reliable connection with other devices in factory automation applications, IOT applications (with optional Wi-Fi, 3.5G/4G LTE module) and communication applications (with optional GPIO, RS232).

The compact fanless design and optional accessories ensure the NES-50C is the ideal choice for M2M intelligent applications

**Specification**

<b>CPU Support</b>	Onboard Intel® Atom™ processor E3826 Dual Core, 1.46GHz Support Intel® Atom™ E3800 processor family from Single Core E3815, Dual Core E3825/E3826/E3827 and Quad Core E3845 with difference SKUs.
<b>Main Memory</b>	On board DDR3L 1066/1333 2GB RAM, unbuffered and non-ECC,max up to 2GB
<b>I/O Interface-Front</b>	ATX power on/off switch 1 x Wifi /1 x GSM LEDs 1 x SIM Card holder 1 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE 1 x HDMI Display Output 4 x USB 2.0 (500mA per each) 2 x Antenna Holes for optional WiFi/3.5G antenna
<b>I/O Interface-Rear</b>	3 x DB9, only support RS232 Tx/Rx/GND single 1 x Line-out Support 12V DC INPUT
<b>Storage Device</b>	On-board 16GB EMMC
<b>Expansion Slot</b>	3 x Mini-PCle socket for optional WiFi/3.5G modules
<b>Power Requirements</b>	Power input: 12Vdc1 x optional 12V, 60W power adapter
<b>Dimensions</b>	146mm(W) x 26mm(H) x 150mm(D) without wall-mount bracket
<b>Construction</b>	Aluminium and Metal Chassis with fanless design

<b>Environment</b>	Operating Temperature: Ambient with air flow: -5°C to 55°C (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14) Storage Temperature: -20°C to 75°C Relative Humidity: 10% to 95% (non-Condensing) Shock Protection: - EMMC: 50G, half sine, 11ms, IEC60068-27 Vibration Protection w/ EMMC Condition: - Random: 2Grms @ 5~500 Hz, IEC60068-2-64 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
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<b>Certifications</b>	CE FCC Class A
<b>OS Support List</b>	Windows 7 Windows Embedded Standard 7 Windows 8.1 Windows Embedded Standard 8 Android 4.4

**Dimension Drawing**

