

NES-50

Industrial Fanless Systems Series



NES-50

PRODUCT HIGHLIGHTS

- ▶ On board Intel® Atom™ processor E3826 dual core, 1.46GHz
- ▶ 1 x HDMI Display
- ▶ 2 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE
- ▶ 4 x USB 2.0
- ▶ 3 x mini-PCIe sockets for optional Wi-Fi/3.5G/LTE modules
- ▶ 1 x RS232, 1 x RS232 (only Tx/Rx/GND), 1 x RS422/485 with auto flow control
- ▶ Supports -5°C~55 °C extended operating temperature
- ▶ Support 24V DC input



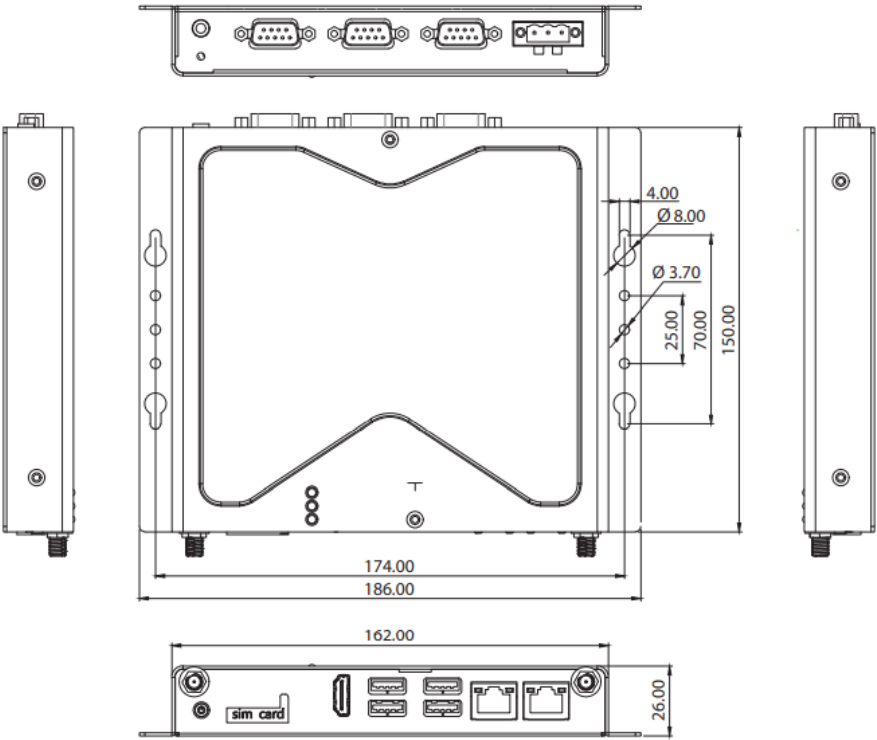
TECHNICAL INFORMATION

PROCESSOR	On board Intel® Atom™ processor E3826 dual core, 1.46GHz
SYSTEM MEMORY	On-board 2GB DDR3L 1066/1333 RAM - Un-buffered and non-ECC - Max up to 4GB
DISPLAY	1 x HDMI display
I/O INTERFACE-FRONT	ATX power on/off switch 1 x Storage/2 x GPO Programmable LED 1 x SIM Card holder 2 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 Wi-Fi/3.5G antenna
I/O INTERFACE - REAR	3 x DB9 for COM1 & COM2 & COM3 - COM1: full RS232 signal - COM2: RS232, only support Tx/Rx/GND - COM3: RS422/485 auto flow control 1 x Line-out Support 24V DC input
I/O INTERFACE - INTERNAL	4 x GPI and 4 x GPO (Programmable to GPI or GPO) 1 x DB9, only support RS232, Tx/Rx/GND single
STORAGE DEVICE	On-board 16GB EMMC Optional mSATA module
EXPANSION SLOT	3 x Mini-PCIe socket for optional Wi-Fi/3.5G modules - Mini-PCIe: CN5; Size: Full; USB: V; mSATA: Support; 3.5G/4G: Support - Mini-PCIe: CN6; Size: Full; USB: V; mSATA: N/A; 3.5G/4G: Support - Mini-PCIe: CN7; Size: Half; USB: V; mSATA: N/A; 3.5G/4G: N/A
POWER REQUIREMENTS	Power input: 24V DC +/-20% 1 x optional 24V, 60W power adapter
SUPPORTED OS	Dependant on memory and storage installed NES-50 supports: Ubuntu 32-bit/64-bit WES8 32-bit/64-bit Win7 Pro 32-bit/64-bit Win10 IoT Ent. 64-bit
DIMENSIONS	162mm(W) x 26mm(H) x 150mm(D) 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 (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: - mSATA / EMMC: 50G, half sine, 11ms, IEC60068-2-27 Vibration protection w/mSATA or EMMC 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 UL/cUL
OPTIONS	24V, 60W AC/DC power adapter w/o power cord

► MECHANICAL DRAWING



► Company Address

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