

NES-105

Industrial Fanless Systems Series



NES-105

PRODUCT HIGHLIGHTS

- ▶ On board Intel Atom® processor E3826 dual core, 1.46GHz
- ▶ Dual Independent Display from DVI-I and HDMI
- ▶ 2 x Intel® I210IT LAN ports support WoL, Teaming and PXE
- ▶ 2 x USB2.0 & 1 x USB3.0
- ▶ 4 x COM ports (supports RS232/422/485, jumper-free setting)
- ▶ 1 x interface for optional Wi-Fi/3.5G modules
- ▶ External RTC battery holder for easy replacement
- ▶ Supports -20 ~ 70 degree C extended operating temperature
- ▶ Supports 9-30VDC input (nominal DC input: 24V)



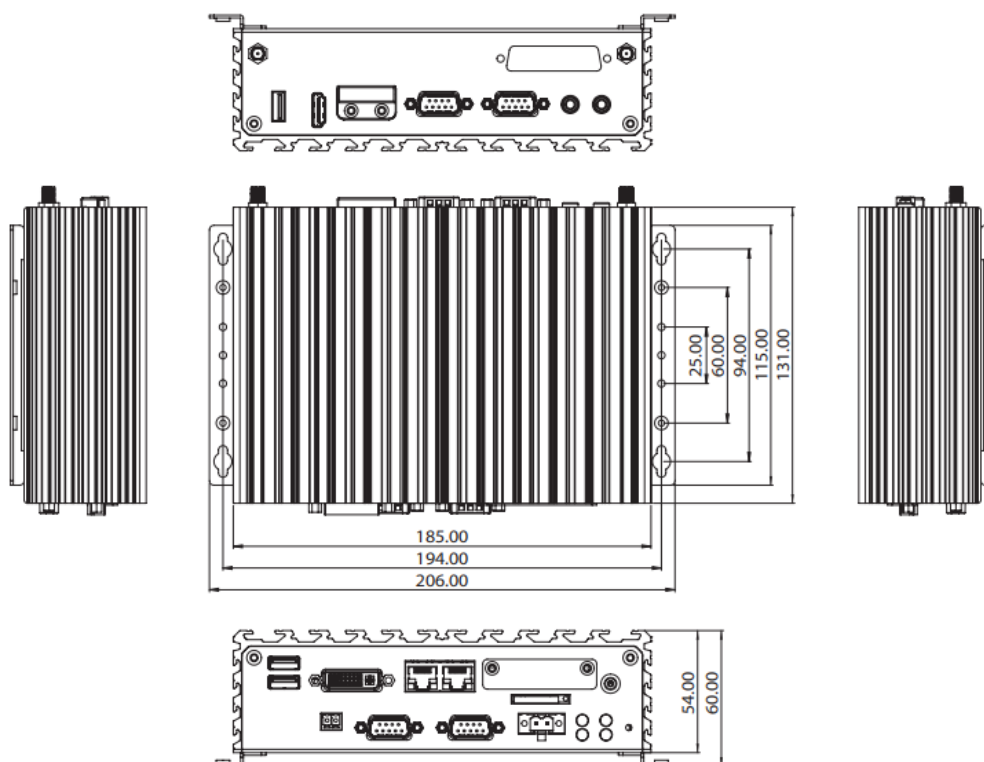
TECHNICAL INFORMATION

PROCESSOR	On board Intel® Atom™ processor E3826 Dual Core, 1.46GHz
SYSTEM MEMORY	1 x DDR3L SO-DIMM Socket, Support DDR3L 1066/1333 8GB RAM max., un-buffered and non-ECC
DISPLAY	Dual Independent Display - HDMI and DVI-D - HDMI and VGA (via DVI-I to VGA converter)
I/O INTERFACE-FRONT	ATX power on/off switch 1 x Power Status/1 x HDD Access/1 x Battery Low/1 x Programing LEDs 1 x External CFast socket 1 x SIM Card holder 2 x Intel® I210IT GbE LAN Ports, support Wake on LAN, Teaming and PXE 1 x DVI-I Display Output 1 x USB3.0 (900mA per each) 1 x USB2.0 (500mA per each) 2 x DB9 for COM1 & COM2, both support RS232/422/485 with auto flow control - Jumper-free setting on RS232/422/485 - Support 5V/12V/Ring function by jumper setting, Ring as the default (COM2 Only) 1 x Remote Power ON/OFF Switch 1 x 2-pin DC input, support +9 to 30VDC input (nominal DC input: 24V)
I/O INTERFACE - REAR	1 x USB2.0 1 x HDMI 1 x RTC Battery 2 x DB9 for COM3 & COM4, both support RS232/422/485 with auto flow control - Jumper-free setting on RS232/422/485 1 x Mic-in & 1 x Line-out 2 x Antenna Holes for optional Wi-Fi/3.5G antenna 1 x Optional I/F for optional miniPCle Wi-Fi/3.5G modules
I/O INTERFACE - INTERNAL	4 x GPI and 4 GPO (5V, TTL Type)
STORAGE DEVICE	1 x CFast (SATA2.0) 1 x 2.5" HDD (SATA2.0)
EXPANSION SLOT	1 x Mini-PCle socket for optional Wi-Fi/ 3.5G modules
POWER REQUIREMENTS	Power input: +9VDC to +30VDC (nominal DC input: 24V) 1 x Optional 24V, 60W power adapter
SUPPORTED OS	Windows 8, 32bit/64bit Windows Embedded Standard 8, 32-bit/64-bit Windows 7, 32-bit/64-bit Windows Embedded Standard 7, 32-bit/64-bit Windows Embedded Compact 7, 32-bit Windows 10 IoT Enterprise, 64-bit Linux Kernel version 3.8.0
DIMENSIONS	185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket
MECHANICAL CONSTRUCTION	Aluminium and Metal Chassis with fanless design

► TECHNICAL INFORMATION (CONTINUED)

ENVIRONMENT	Operating Temperature: Ambient with air flow: -20°C to 70°C with industrial grade device (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, IEC60068-2-27 - 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/CFast & SSD Condition: - Random: 2Grms @ 5~500 Hz, IEC60068-2-64 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
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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