

NES-107-E3940

Industrial Fanless Systems Series



NES-107-E3940

PRODUCT HIGHLIGHTS

- ▶ On board Intel Atom® x5-E3940 Quad Core Processor, 1.80 GHz
- ▶ 2 x Display output, 1 x DVI-D and 1 x DP port
- ▶ 2 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE
- ▶ Support both 2.5" HDD and M.2 (front access)
- ▶ 4 x USB3.0
- ▶ 2 x DB9 for RS232/422/485
- ▶ 1 x mini-PCIe for optional Wi-Fi/LTE wireless module
- ▶ Supports 5°C~55 °C extended operating temperature
- ▶ Support 9~30V DC input; support ATX power mode



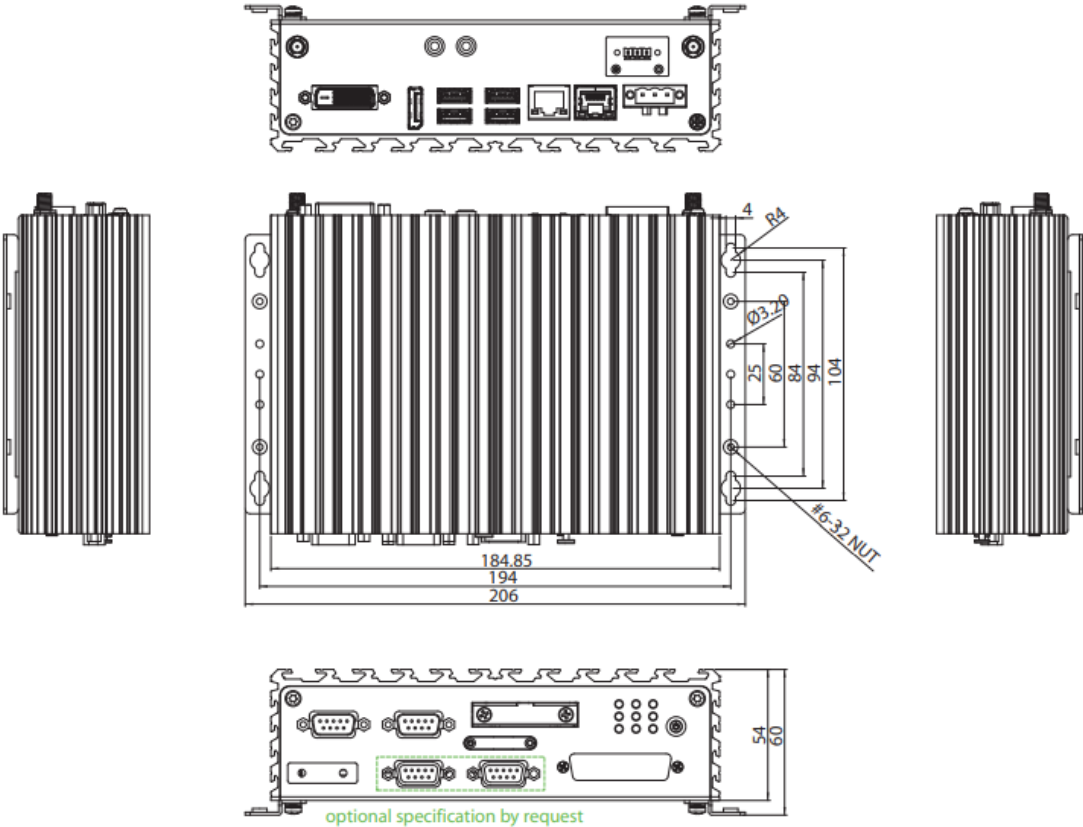
TECHNICAL INFORMATION

PROCESSOR	On board Intel Atom® x5-E3940 Quad Core processor, 1.80 GHz, 2M Cache
SYSTEM MEMORY	1 x DDR3L SO-DIMM socket, support DDR3L 1866 8GB RAM max., un-buffered and non-ECC
DISPLAY	Dual independent display: DVI-D + DP
I/O INTERFACE-FRONT	ATX power on/off switch LED indicator: power status, HDD access, RTC battery low, Tx/Rx, GPO programmable LEDs 2 x DB9 for RS232/422/485 with auto flow control 1 x External M.2 socket support B, B+M key module 1 x SIM card holder 1 x Optional I/F opening for optional function output or module interface use
I/O INTERFACE - REAR	1 x Display port 1 x DVI-D port 4 x USB 3.0 ports (900mA per each) 2 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE 1 x Line-out and 1 x Mic-in 2 x Antenna holes for optional Wi-Fi/3.5G antenna 1 x 3-pin DC input, support +9 to 30VDC input 1 x 3-pin remote power on/off switch
I/O INTERFACE - INTERNAL	4 x GPI and 4 GPO (5V, TTL Type)
STORAGE DEVICE	1 x 2.5" HDD (SATA 3.0) 1 x M.2, support B, B+M key module (2242)
EXPANSION SLOT	1 x mini-PCIe socket support optional Wi-Fi/4G LTE/3.5G modules
POWER REQUIREMENTS	Power input: +9 to 30 VDC 1 x Optional 24V, 60W power adapter
SUPPORTED OS	Windows 10 IoT Enterprise, 64-bit Linux Kernel version 4.1
DIMENSIONS	185mm (W) x 131mm (D) x 54mm (H) 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 80°C Relative humidity: 95% at 40°C Shock protection - HDD: 20G @ wall mount, half sine, 11ms(operation), IEC60068 2-27 - M.2: 50G @ wall mount, half sine, 11ms(operation) , 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/ M.2 & SSD condition - Random: 2Grms @ 5~500 Hz, IEC60068-2-64 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

► TECHNICAL INFORMATION (CONTINUED)

CERTIFICATIONS	CE approval - EN61000-6-2 - EN61000-6-4 FCC Class A
OPTIONS	24V, 60W AC/DC power adapter w/o power cord

► MECHANICAL DRAWING



► Company Address

Kontron UK Limited
Units 3, 4, 5, 9 & 10 New Bury Park
Marsh Lane, Easthampnett, UK
TEL: +44 (0) 1243 380780
uksales@kontron.com
www.industrial-computers.com