

NES-505

Industrial Fanless Systems Series



NES-505

PRODUCT HIGHLIGHTS

- ▶ On board Intel® Celeron® processor J1900 quad core, 2.42GHz
- ▶ 1 x HDMI Display
- ▶ 3 x Intel® I210-IT GbE LAN ports; support WoL, teaming and PXE
- ▶ 2 x USB 2.0
- ▶ 1 x mini-PCle socket for optional Wi-Fi/BT modules
- ▶ 1 x mini-PCle socket for optional mSATA storage
- ▶ 1 x RJ45 COM serial port for RS232 signal
- ▶ Supports -5°C~55 °C extended operating temperature
- ▶ Supports 12V DC input



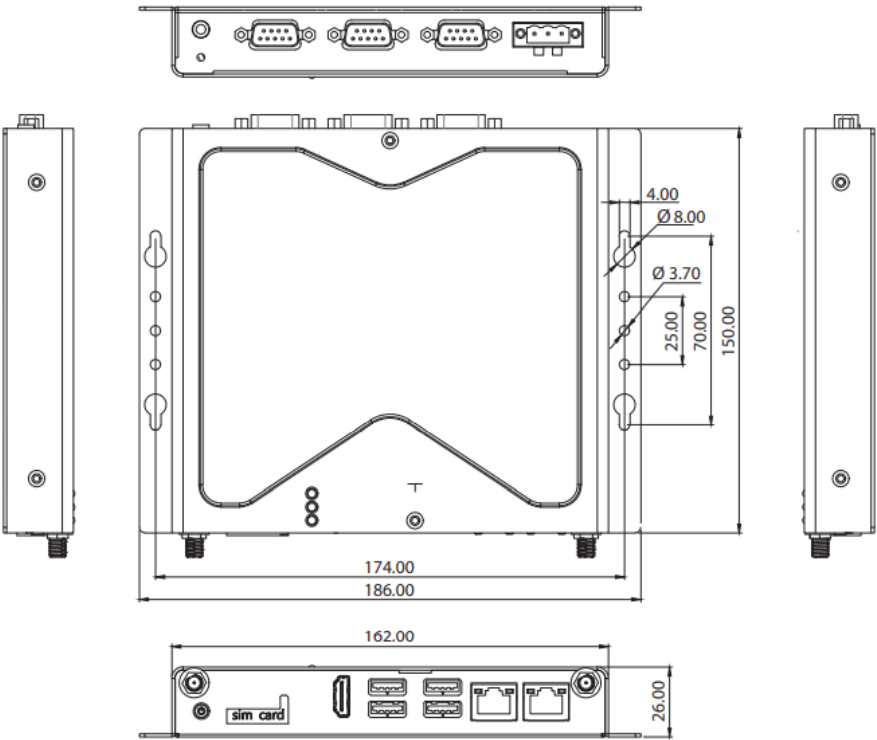
TECHNICAL INFORMATION

PROCESSOR	On board Intel® Celeron® processor J1900 quad Core, 2.42GHz
SYSTEM MEMORY	DDR3L SODIMM Slot *1 - Supports 1600 RAM - Un buffered and non ECC - Supports 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 3 x Intel® I210-IT GbE LAN ports; support WoL, teaming and PXE 1 x HDMI display output 2 x USB 2.0 (500mA per each) 2 x Antenna holes for optional Wi-Fi antenna 1 x RJ45 COM serial port for RS232 signal
I/O INTERFACE - REAR	Support 12V DC input
I/O INTERFACE - INTERNAL	4 x GPI and 4 x GPO (programmable to GPI or GPO)
STORAGE DEVICE	Optional mSATA module On board 32GB EMMC
EXPANSION SLOT	1 x mini-PCle socket for optional Wi-Fi/BT module
POWER REQUIREMENTS	Power input: 12V DC +/-20% 1 x Optional 12V, 60W power adapter
SUPPORTED OS	Win7 64-bit Win10 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
OPTIONS	60W 12V/5A 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