

NES53-E01/E02

Industrial Fanless Systems Series



NES53-E01/E02

PRODUCT HIGHLIGHTS

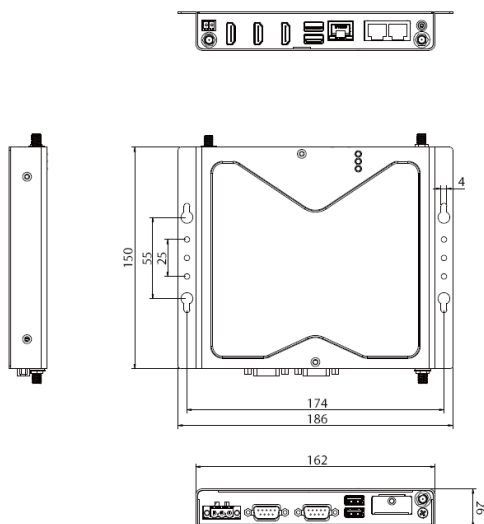
- ▶ Intel® Celeron® J6413 or Atom® x6211E
- ▶ 3 x HDMI supports triple display
- ▶ 3 GbE LAN and 2 COM ports
- ▶ Wide operating temperature
- ▶ Supports +12V/24V DC input
- ▶ 1 x M.2 & 1 x mini-PCIe expansion slot



TECHNICAL INFORMATION

PROCESSOR	Intel® Celeron® processor J6413 1.8Ghz Intel Atom® processor x6211E 1.3Ghz
CHIPSET	SoC
SYSTEM MEMORY	1 x SO-DIMM DDR4 non ECC up to 2133 MT/s, 16GB max
COM	2 x RS232/485
USB	2 x USB 3.0
ETHERNET	1 x Intel® I210-AT GbE LAN port, 2 x Marvell SOC PHY Gbe LAN ports
DISPLAY	3 x HDMI, resolution 1920 x 1080 @ 60Hz
EXPANSION	1 x Internal Nano SIM card holder for 2 x M.2 Key B & mPCIe 1 x Full-size mini-PCIe for optional Wi-Fi/BT/4G LTE (PCIe x1, USB2.0, SATA, SIM) 1 x Front access M.2 (Key B) 2242/3042/3052 (PCIe x2, USB2.0, SATA, SIM) 1 x Internal M.2 (Key B) 2242/3042/3052 (PCIe x1, USB3.0, SIM)
OTHERS	1 x Optional on-board 32 GB EMMC
POWER SUPPLY	Power input: +12/+24V DC in
GPIO	4 x GPI and 4 x GPO (programmable to GPI or GPO)
CONSTRUCTION	Aluminium and metal chassis with fanless design
OPERATING TEMPERATURE	Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
RELATIVE HUMIDITY	10% - 90%, non-condensing
VIBRATION	Vibration protection with M.2/ mSATA condition: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
SHOCK	M.2/mSATA: 50G @ wall mount, half sine, 11ms(operation), IEC60068-2-27
DIMENSIONS (W X D X H)	162mm (W) x 150mm (D) x 26mm (H) without wall mount bracket
CERTIFICATIONS	CE approval, FCC Class A
OS SUPPORT	Windows 11, Windows® 10 Enterprise 64 bit, Linux Kernel version 4.19
OPTIONS	AC adapter
PART NUMBERS	NES 53-E01 Intel Celeron® processor J6413 1.8Ghz NES 53-E02 Intel Atom® processor x6211E 1.3Ghz

Dimensions



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