

NES70-E01/E02/E03

Industrial Fanless Systems Series



NES70-E01/E02/E03

PRODUCT HIGHLIGHTS

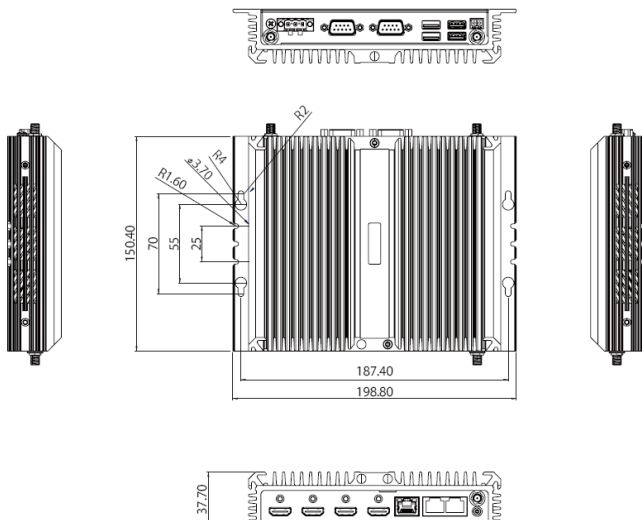
- ▶ Intel® i7 1185G7E/i5 1145G7E or Celeron® 6305E
- ▶ 4 x HDMI
- ▶ 3 GbE LAN and 2 COM ports
- ▶ Wide operating temperature
- ▶ Supports +12V/24V DC input
- ▶ 1 x M.2 & 1 x mini-PCIe expansion slot



TECHNICAL INFORMATION

PROCESSOR	Intel® Celeron® 6305E processor fanless system Intel® Core™ i5 1145G7E processor system with fan (optional fanless with 15W TDP limit) Intel® Core™ i7 1185G7E processor system with fan (optional fanless with 15W TDP limit)
CHIPSET	SoC
SYSTEM MEMORY	1 x DDR4 3200 SO-DIMM socket, support up to 32GB
COM	1 x RS2/422/485 auto flow control, 1 x RS232
USB	3 x USB 3.0, 1 x USB2.0
ETHERNET	2 x Intel® I211 and 1 x Intel® WGI219LM GbE LAN ports
DISPLAY	4 x HDMI ports, support 4K@30Hz
EXPANSION	1 x mini-PCIe socket for optional Wi-Fi/BT/4G LTE/mSATA 1 x M.2, support Key B & B+M module for optional 4G LTE/5G/SATA storage (SATA/PCIe/USB, 2242/3042)
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 (Celeron), 0°C to 50°C (Core i5/i7) (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
RELATIVE HUMIDITY	10% - 95%, non-condensing
VIBRATION	Vibration protection with mSATA & M.2 condition: Random: 2Grms@5~500 Hz, IEC60068-2-64- Sinusoidal: 2Grms@5~500 Hz, IEC60068-2-6
SHOCK	M.2/mSATA: 50G, half sine, 11ms, IEC60068-2-27
DIMENSIONS (W X D X H)	198.8mm (W) x 150.4mm (D) x 37.7mm (H) with wall mount bracket
CERTIFICATIONS	CE approval, FCC Class A
OS SUPPORT	Windows 10 Enterprise 64 bit, Linux Kernel version 4.19
OPTIONS	AC adapter
PART NUMBERS	NES 70-E01 Intel® Celeron® 6305E (Tiger Lake-UP3) processor fanless system NES 70-E02 Intel® Core™ i5 1145G7E (Tiger Lake-UP3) processor system with fan NES 70-E03 Intel® Core™ i7 1185G7E (Tiger Lake-UP3) processor system with fan

Dimensions



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