

AES670-891

Industrial Fanless Systems Series



AES670-891

PRODUCT HIGHLIGHTS

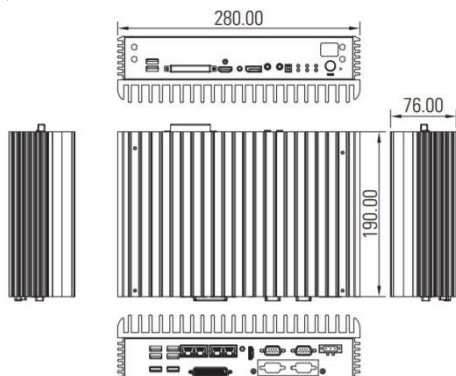
- ▶ LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (Kaby Lake/Skylake)
- ▶ 1 DisplayPort and 2 HDMI (1 HDMI 2.0) with triple view supported
- ▶ Supports Jumbo Frame (9.5k), WoL, PXE Remote Boot, Teaming
- ▶ 9 to 36 VDC wide range power input
- ▶ Flexible I/O window design



TECHNICAL INFORMATION

PROCESSOR	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor (CPU TDP max. up to 35 W)
CHIPSET	Intel® Q170
SYSTEM MEMORY	6th gen: 2 x 260-pin SO-DIMM DDR4-1866/2133, up to 32GB, 7th gen: 2 x 260-pin SO-DIMM DDR4-2133/2400, up to 32GB
BIOS	AMI
COM	2 x RS-232/422/485 (on board), 2 x RS-232/422/485 (via cable on flexible IO window)
USB	6 x USB 3.0, 2 x USB 2.0
ETHERNET/POE	4 x 10/100/1000 Mbps (Intel® i210-IT, i219-LM)
DISPLAY	2 x HDMI (1 x HDMI 2.0 & 1 x HDMI 1.4b), 1 x DisplayPort
DIGITAL I/O	32-channel programmable DI/DO
AUDIO	Mic-in/Line-out
STORAGE	2 x 2.5" SATA HDD drive bay (max. up 15 mm height & Supports RAID 0 & 1), 1 x CFast™, 1 x mSATA (enabled in BIOS setting)
EXPANSION	2 x Full-size PCI Express Mini Card (USB + PCI Express signal), 1 x SIM slot
OTHERS	1 x Flexible I/O window (default : 2 x COM port), 4 x SMA type connector opening for antenna, 1 x Phoenix type VDC power input connector, 1 x ATX power switch, 1 x Remote power switch, 1 x AT/ATX quick switch, 1 x Reset button
POWER SUPPLY	9 to 36 VDC
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium extrusion and heavy-duty steel, IP40
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to +140°F) (with W.T. DRAM/SSD for Skylake) -40°C to +55°C (-40°F to +131°F) (with W.T. DRAM/SSD for Kaby Lake)
RELATIVE HUMIDITY	10% to 95%, non-condensing
VIBRATION	3 Grms with CFast™ drive (5 to 500 Hz, X, Y, Z directions)
SHOCK	N/A
DIMENSIONS (W X D X H)	280 x 190 x 76 mm (11.02" x 7.48" x 2.99")
WEIGHT (NET/GROSS)	3.8 kg (8.37 lb)/ 4.6 kg (10.14 lb)
CERTIFICATIONS	UL62368-1, CE, FCC Class A
OS SUPPORT	Win10 IoT, WES 8, Linux
MOUNTING	Wall mount, DIN-rail
PART NUMBERS	AES670-891: Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor
OPTIONS	Wi-Fi module, 3G/LTE module, Wall mount kit, DIN-rail kit, 24V 120W power adapter, CANbus PCI Express Mini module, LAN PCI Express Mini module, DIO PCI Express Mini module

MECHANICAL DRAWING



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