

AES671-521-POE / 6GBE

Industrial Fanless Systems Series



AES671-521-POE / 6GBE

PRODUCT HIGHLIGHTS

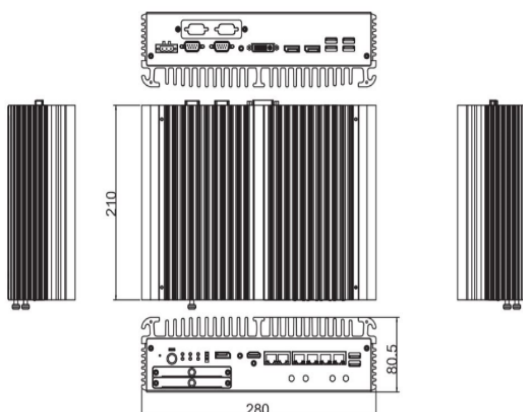
- ▶ 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® with Intel® Q370 chipset
- ▶ Choice of 4 PoE or 6 Gigabit LAN ports
- ▶ Dual swappable 2.5" SATA HDD drive bay with RAID 0 & 1
- ▶ Supports MXM 3.1 type A graphics module (optional)
- ▶ Supports Intel® Movidius™ Myriad™ X VPU (optional mPCIe)
- ▶ Supports Intel® Distribution of OpenVINO™ toolkit (optional)
- ▶ DVI-I, HDMI, and DisplayPort with triple-view supported



TECHNICAL INFORMATION

PROCESSOR	LGA1151 9th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W) LGA1151 8th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W/65W)
CHIPSET	Intel® Q370, Intel® C246 PCH (optional)
SYSTEM MEMORY	2 x 260-pin DDR4-2666 SO-DIMM, up to 64GB (ECC supported by Intel® C246 PCH)
BIOS	AMI
COM	2 x RS-232/422/485
USB	4 x USB 3.1 Gen2, 2 x USB 3.1 Gen1
ETHERNET/POE	Standard: 2 x 10/100/1000 Mbps (Intel® i210-IT & i219-LM) Option 1: 4 x Power over Ethernet (IEEE802.2at), up to 60W Option 2: 4 x Gigabit LAN ports (total of 6 Gigabit LAN ports)
DISPLAY	2 x DisplayPort via optional MXM kit, 1 x HDMI, 1 x DisplayPort, 1 x DVI-I
STORAGE	2 x 2.5" HDD drive bay (max. up 9.5 mm height), 1 x mSATA (enabled in BIOS setting)
EXPANSION	2 x Full-size PCIE Mini Card slot (USB+PCle signal), 2 x SIM slot, 1 x Internal MXM 3.1 type A
OTHERS	1 x I/O window (Default: 2 x DB9 half cut bracket), 4 x SMA-type antenna connector, TPM 2.0
POWER SUPPLY	24 VDC (optional 120W AC adaptor)
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium extrusion and heavy-duty steel, IP40
OPERATING TEMPERATURE	Without MXM module: -40°C to 60°C (-40°F to +140°F) (with W.T. DRAM & SSD, CPU TDP 35W), -40°C to 50°C (-40°F to +122°F) (with W.T. DRAM & SSD, CPU TDP 65W) With MXM module: -40°C to 50°C (-40°F to +122°F) (with W.T. DRAM & SSD, CPU TDP 35W)
RELATIVE HUMIDITY	10% to 90%, non-condensing
SHOCK	Vibration Endurance IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
VIBRATION	IEC 60068-2-27 (w/ SSD: 50G, half-sine, 11ms duration)
DIMENSIONS (W X D X H)	280 x 210 x 80.5 mm (11.02" x 8.26" x 3.16")
WEIGHT (NET/GROSS)	4.8 kg (10.58 lb)/5.6 kg (12.34 lb)
CERTIFICATIONS	CE, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
MOUNTING	Optional Wall mount or DIN-rail mounting brackets
PART NUMBERS	AES671-521-POE: Fanless system LGA1151 9th/8th gen Intel® i7/i5/i3/Celeron® processor AES671-521-6GBE: Fanless system LGA1151 9th/8th gen Intel® i7/i5/i3 & Celeron® processor
OPTIONS	Wi-Fi module, 3G/LTE module, MXM 3.1 type A module. CANbus PCIE Mini module. LAN PCIE Mini module, RS-232 cable for COM3/4, DIO PCIE Mini module

MECHANICAL DRAWING



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