

AES671-517

Industrial Fanless Systems Series



AES671-517

PRODUCT HIGHLIGHTS

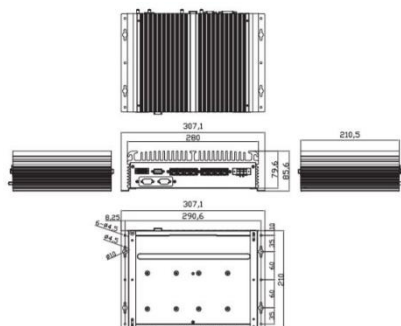
- ▶ 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W/65W) and Intel® Q170
- ▶ 8-CH PoE/GbE on board
- ▶ 2 front-access SIM slots
- ▶ Supports 6-in/2-out isolated DIO
- ▶ -40°C to +70°C extended operating temperature
- ▶ Optional ignition feature supported



TECHNICAL INFORMATION

PROCESSOR	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W/65W)
CHIPSET	Intel® Q170
SYSTEM MEMORY	2 x 260-pin SO-DIMM DDR4-2133, up to 32GB
BIOS	AMI
COM	2 x RS-232/422/485
USB	4 x USB 3.0, 2 x USB 2.0
ETHERNET/POE	8 x Gigabit PoE (IEEE 802.3af/802.3at) port (Intel® i211-AT, max. up to 90W)
DISPLAY	1 x HDMI 1.4b, 1 x VGA, 1 x DVI-D
DIGITAL I/O	1 x 6-in/2-out isolated DIO
AUDIO	1 x Audio (Line-out & Mic-in)
STORAGE	2 x SATA HDD drive bay (max. up to 15 mm height & RAID 0 & 1), 1 x mSATA (enabled in BIOS setting)
EXPANSION	2 x Full-size PCI Express Mini Card slot (USB + PCI Express signal), 1 x Half-size PCI Express Mini Card slot (mSATA + USB + PCI Express signal), 1 x Half-size PCI Express Mini Card (USB signal), 2 x External accessible SIM slot
OTHERS	1 x Flexible I/O window (default: 2 x DB9 half cut bracket), 4 x SMA-type antenna connector, 1 x Phoenix type VDC power input connector
POWER SUPPLY	24 VDC (ACC is disabled by default)
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium extrusion and heavy-duty steel, IP40
OPERATING TEMPERATURE	35W Tj=100°C CPU: -40°C to +70°C (-40°F to +158°F) with W.T. SSD, 65W Tj=100°C CPU: -40°C to +55°C (-40°F to +131°F) with W.T. SSD, 35W Tj=80°C CPU: -40°C to +50°C (-40°F to +122°F) with W.T. SSD
RELATIVE HUMIDITY	10% to 90%, non-condensing
SHOCK	IEC 60068-2-27 (with SSD: 50G, half sine, 11 ms duration)
VIBRATION	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
DIMENSIONS (W X D X H)	280 x 210 x 79.6 mm (11.2" x 8.26" x 3.13")
WEIGHT (NET/GROSS)	4.31 kg (9.5 lb)/5.1 kg (11.24 lb)
CERTIFICATIONS	CE, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
MOUNTING	Wall mount, DIN-rail
PART NUMBERS	AES671-517: Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors
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, COM PCI Express Mini module, DIO PCI Express Mini module

MECHANICAL DRAWING



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