

AES671A-CML & AES671A-CML-POE

Industrial Fanless Systems Series



AES671A-CML & AES671A-CML-POE

PRODUCT HIGHLIGHTS

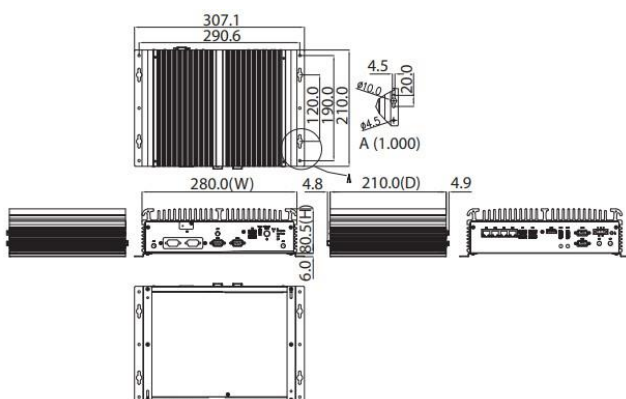
- ▶ 10th Gen Intel® Core™ i7/i5/i3 & Celeron® with Intel® W480E chipset
- ▶ 4GbE LAN with optional PoE support
- ▶ Dual 2.5" SATA HDD drive bay with RAID 0 & 1
- ▶ 2 HDMI and 1 DisplayPort for triple view
- ▶ -40 °C to 70 °C wide range operation temperature
- ▶ Wide range power input from 9 to 48 VDC



TECHNICAL INFORMATION

PROCESSOR	LGA1200 socket Intel® Xeon®/10th gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor (35W/65W)
CHIPSET	Intel® W480E
SYSTEM MEMORY	2 x 260 pin DDR4-2933 ECC*/non-ECC SO-DIMM, up to 64GB (ECC memory support for Xeon®)
BIOS	AMI
COM	2 x RS-232 & 2 x RS-232/422/485
USB	5 x USB 3.2 Gen2 & 1 x USB 3.2 Gen1
ETHERNET/POE	2 x 10GbE (X550-T2) by request 4 x GbE (PoE) (3 x Intel® I210-IT, 1 x Intel® I219-LM)
DISPLAY	2 x HDMI 1.4b (lockable) & 1 x DisplayPort 1.2 ++
STORAGE	2 x 2.5" SATA HDD/SSD (up to 15 mm height & RAID 0 & 1) 2 x mSATA (enabled in BIOS setting & RAID 0 & 1)
EXPANSION	2 x Full-size PCI-Express Mini Card slot (USB + PCIe + SATA signal) 1 x M.2 Key B 3050 (for 5G) & 1 x Internal SIM slot for PCIe Mini Card slot
OTHERS	TPM 2.0, 1 x Flexible I/O window, 5 x Antenna opening, 1 x Power button, 1 x AT/ATX quick switch, 1 x Remote switch, 1 x Reset button, 1 x Grounding
POWER SUPPLY	9 to 48 VDC
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium extrusion and heavy-duty steel, IP40
OPERATING TEMPERATURE	-40°C to 70°C (-40°F to +158°F) with 0.7 m/s air flow (CPU TDP 35W) -40°C to 60°C (-40°F to +158°F) with 0.7 m/s air flow (CPU TDP 65W) (with W.T. DRAM & SSD)
RELATIVE HUMIDITY	10% to 90%, non-condensing
SHOCK	IEC 60068-2-27 (w/ SSD: 50G, half-sine, 11 ms duration)
VIBRATION	IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
DIMENSIONS (W X D X H)	280 x 210 x 80.5 mm (11.02" x 8.26" x 3.16")
WEIGHT (NET/GROSS)	4.9 kg (10.8 lb)/7 kg (15.43 lb)
CERTIFICATIONS	CE, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
MOUNTING	Optional Wall mount or DIN-rail mounting brackets
PART NUMBERS	AES671A-CML: Fanless system with 4 x LAN ports AES671A-CML-POE: Fanless system with 4 x PoE ports
OPTIONS	Wi-Fi module, 3G/LTE module, CANbus Mini PCIE module. Dual LAN Mini PCIE module

MECHANICAL DRAWING



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