

AES710-521

Industrial Fanless Systems Series



AES710-521

PRODUCT HIGHLIGHTS

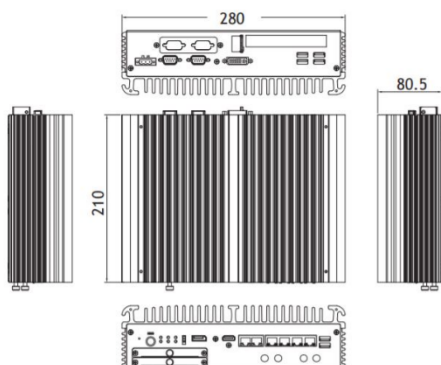
- ▶ Intel® Xeon®, 9th/8th gen Intel® Core™ i7/i5/i3 or Celeron® processor
- ▶ 2 DDR4 ECC/non-ECC memory supported, up to 64GB
- ▶ Dual swappable 2.5" SATA HDD drive bays with RAID 0 & 1
- ▶ DVI-I, HDMI, and DisplayPort with triple-view supported
- ▶ 6 GbE LAN, 6 USB 3.2 and 1 PCIe x4 expansion slot
- ▶ Flexible I/O window supported



TECHNICAL INFORMATION

PROCESSOR	LGA1151 Intel® Xeon®, 9th/8th gen Intel® Core™ i7/i5/i3 or Celeron® processor
CHIPSET	Intel® C246
SYSTEM MEMORY	2 x 260-pin DDR4-2666 ECC/non-ECC SO-DIMM, up to 64GB (ECC memory available with Intel® Xeon® and Core™ i3 processors)
BIOS	AMI
COM	2 x RS-232/422/485
USB	4 x USB 3.2 Gen2, 2 x USB 3.2 Gen1
ETHERNET/POE	6 x 10/100/1000 Mbps Ethernet (5 x i210-IT & i219-LM)
DISPLAY	1 x HDMI, 1 x DisplayPort, 1 x DVI-I
DIGITAL I/O	N/A
AUDIO	1 x Audio (Mic-in/Line-out)
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 PCI Express Mini Card slot (USB + PCIe signal), 1 x PCIe x4 slot, 2 x SIM slot
OTHERS	TPM 2.0, 1 x Phoenix type VDC power input connector, 1 x AT/ATX quick switch, 1 x ATX power switch, 1 x Reset switch, 1 x Remote switch, 1 x Flexible I/O window (Default : 2 x DB9 half-cut bracket), 4 x SMA-type antenna connector
POWER SUPPLY	24 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)
RELATIVE HUMIDITY	10% to 90%, non-condensing
VIBRATION	IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
SHOCK	IEC 60068-2-27 (w/ SSD: 50G@wall mount, half-sine, 11 ms 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	Wall mount, DIN-rail
PART NUMBERS	AES710-521: Fanless embedded system with LGA1151 Intel® Xeon®, 9th/8th gen Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® C246, ECC/non-ECC memory 1 PCIe x4 expansion slot and 24 VDC
OPTIONS	Wall mount kit, DIN-rail kit, Wi-Fi module, 3G/LTE module, 24V, 120W adapter, CANBus PCI Express Mini module, LAN PCI Express Mini module, RS-232 cable, L=200 mm for COM3/4, DIO PCI Express Mini module, 3.5 mm audio I/O & half PCI Express Mini module

MECHANICAL DRAWING



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