

AES640-521

Industrial Fanless Systems Series



AES640-521

PRODUCT HIGHLIGHTS

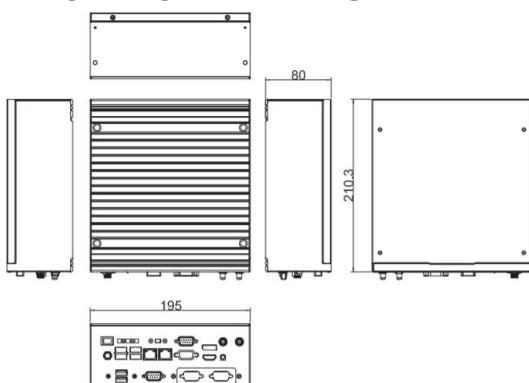
- ▶ LGA1151 socket 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® processor (Coffee Lake)
- ▶ Supports 2 COM, 6 USB and 8-CH DI/DO
- ▶ Two 2.5" SATA drive bay
- ▶ M.2 Key E 2230 for Wi-Fi
- ▶ Front I/O connectivity design
- ▶ Flexible I/O window supported



TECHNICAL INFORMATION

PROCESSOR	LGA1151 socket 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® processor (CPU TDP max. up to 35W)
CHIPSET	Intel® H310
SYSTEM MEMORY	2 x 260-pin DDR4-2400 SO-DIMM, up to 64GB
BIOS	AMI
COM	1 x RS-232/422/485, 1 x RS-232
USB	2 x USB 3.0, 4 x USB 2.0
ETHERNET/POE	2 x 10/100/1000Mbps (Intel® i219V-LM, i211-AT)
DISPLAY	1 x DisplayPort, 1 x HDMI
DIGITAL I/O	1 x 8-CH DIO (4-in/4-out)
AUDIO	1 x Audio (Line-out)
STORAGE	2 x 2.5" SATA HDD drive bay (max. up 9.5 mm height)
EXPANSION	1 x Full-size PCI-Express Mini Card slot (PCIe + SATA + USB), 1 x M.2 Key E 2230 (for Wi-Fi)
OTHERS	TPM 2.0
POWER SUPPLY	19 VDC, 6.32A (12V, 24V DC can be used by option adapter)
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium extrusion and heavy-duty steel, IP40
OPERATING TEMPERATURE	-10°C to +50°C (14°F to 122°F) (with W.T. SSD/DRAM)
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, 11 ms duration)
DIMENSIONS (W X D X H)	195 x 210.3 x 80 mm (7.67" x 8.27" x 3.14")
WEIGHT (NET/GROSS)	3 kg (6.61 lb)/3.6 kg (7.94 lb)
CERTIFICATIONS	CE, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
MOUNTING	Wall mount, DIN-rail
PART NUMBERS	AES640-521: Fanless embedded system with LGA1151 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® processor
OPTIONS	Wall mount kit, DIN-rail kit, Wi-Fi module, 3G/LTE module, 19V/120W power adapter, CAN Bus MiniPCle Module, LAN MiniPCle Module, COM Mini PCle Module, Audio MiniPCle Module

MECHANICAL DRAWING



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