

AES630A Core™ i7/i5/i3 or Celeron

Industrial Fanless Systems Series



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PRODUCT HIGHLIGHTS

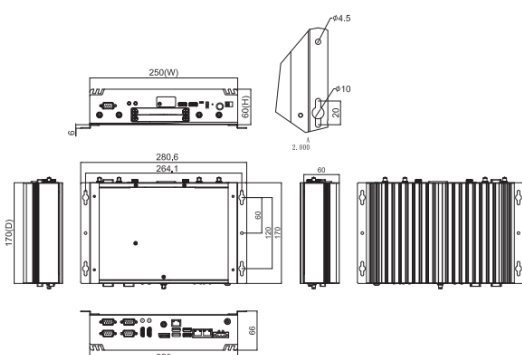
- ▶ 11th Gen Intel® Core™ i7/i5/i3 or Celeron® ULT processor
- ▶ Dual-channel DDR4 3200 SO-DIMM up to 64GB memory
- ▶ Supports 2 HDMI, VGA, 3 x 2.5GE LAN, 4 COM and 6 USB
- ▶ Trusted platform module (TPM 2.0 on board)
- ▶ Fanless -40°C to +60°C operating temperature
- ▶ 9 to 48 VDC wide range DC power input



TECHNICAL INFORMATION

PROCESSOR	Intel® Core™ i7-1185G7E/i5-1145G7E/i3-1115G4E or Celeron® 6305E (TDP up to 15W)
CHIPSET	SoC integrated
SYSTEM MEMORY	2 x 260-pin DDR4-3200 SO-DIMM, up to 64GB
BIOS	AMI
COM	2 x RS-232/422/485, 2 x RS-232
USB	2 x USB 2.0 & 4 x USB 3.2 Gen1
ETHERNET/POE	2 x 10/100/2500 Mbps Ethernet (Intel® i226-IT) 1 x 10/100/2500 Mbps Ethernet (Intel® i226-LM)
DISPLAY	2 x HDMI 1.4b & 1 x DisplayPort++ 1.4a
DIGITAL I/O	1 x 8-CH TTL DIO via DB9 female (4-in/4-out)
STORAGE	2 x 2.5" swappable SSD/HDD drive bay (max. up 9.5 mm height & RAID 0,1) 1 x NVMe M.2 Key M 2280 (PCIe x 4 only)
EXPANSION	1 x Full-size PCI Express Mini Card (USB + PCIe signal) 1 x M.2 Key E 2230 (for Wi-Fi) 1 x Front-access SIM slot
OTHERS	TPM 2.0, 4 x Antenna opening 1 x ATX power switch, 1 x Remote power switch, 1 x Reset switch, 1 x AT/ATX quick switch
POWER SUPPLY	9 to 48 VDC; 1 x Phoenix-type VDC power input connector
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Aluminium extrusion and heavy-duty steel, IP40
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to +140°F) with 0.5 m/s air flow (with W.T. DRAM & SSD,CPU TDP 15W)
RELATIVE HUMIDITY	10% to 95%, 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 to 500 Hz, 1 hr/axis)
DIMENSIONS (W X D X H)	250 x 170 x 60 mm (9.84" x 6.69" 2.36")
WEIGHT (NET/GROSS)	2.4 kg (5.29 lb)/3.2 kg (7.0 lb)
CERTIFICATIONS	CE, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
MOUNTING	Wall mount, DIN-rail, VESA mount
PART NUMBERS	AES630A-11U-i7: Fanless embedded system with Intel® Core™ i7-1185G7E AES630A-11U-i5: Fanless embedded system with Intel® Core™ i5-1145G7E AES630A-11U-i3: Fanless embedded system with Intel® Core™ i3-1115G4E AES630A-11U-CEL: Fanless embedded system with Intel® Core™ Celeron 6305UE
OPTIONS	Wall mount kit, DIN-rail kit, 24V 120W power adapter, Power cord, 3G/LTE module

MECHANICAL DRAWING



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