

AES630-528-8665UE / 8365UE / 8145UE / 4305UE

Industrial Fanless Systems Series



AES630-528-8665UE / 8365UE / 8145UE / 4305UE

PRODUCT HIGHLIGHTS

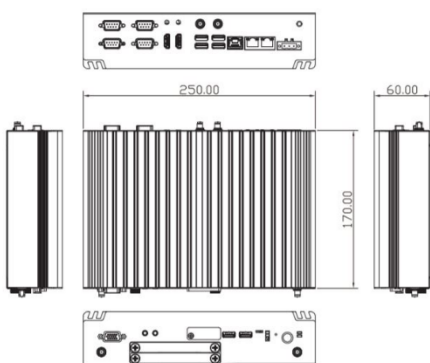
- ▶ 8th Gen Intel® Core™ i7/i5/i3 & Celeron® ULT processor
- ▶ Dual-channel DDR4 2400 SO-DIMM up to 64GB memory
- ▶ Supports 2 HDMI, VGA, 3 GbE LAN, 4 COM and 6 USB
- ▶ Trusted platform module (TPM 2.0 on board)
- ▶ Fanless -40°C to +70°C* operating temperature
- ▶ 9 to 36 VDC wide range DC power input



TECHNICAL INFORMATION

PROCESSOR	Intel® Core™ i7-8665UE/i5-8365UE/i3-8145UE & Celeron® 4305UE (TDP up to 15W)
CHIPSET	SoC integrated
SYSTEM MEMORY	2 x 260-pin DDR4-2400 SO-DIMM, up to 64GB
BIOS	AMI
COM	2 x RS-232/422/485, 2 x RS-232
USB	2 x USB 3.1 Gen2, 2 x USB 3.1 Gen1, 2 x USB 2.0
ETHERNET/POE	3 x 10/100/100 Mbps Ethernet (Intel® i219LM, Intel® i211AT)
DISPLAY	2 x HDMI (lockable), 1 x VGA
DIGITAL I/O	8-CH TTL DIO via DB9 female
AUDIO	1 x Audio (Mic-in/Line-out)
STORAGE	2 x 2.5" swappable 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 A (USB + PCIe signal), Slot B (USB + PCIe + SATA signal)
OTHERS	TPM 2.0, 1 x Phoenix type VDC power input connector, 1 x ATX power switch, 1 x AT/ATX quick switch, 1 x Remote power switch, 1 x Reset switch, 1 x Front-access SIM slot, 4 x SMA-type antenna opening
POWER SUPPLY	9 to 36 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, -40°C to +65°C (-40°F to +149°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, 11ms 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)	1.38 kg (3.04 lb)/2.08 kg (4.59 lb)
CERTIFICATIONS	CE, FCC Class A
OS SUPPORT	Win 10 IoT, Linux
MOUNTING	Wall mount, DIN-rail, VESA mount
PART NUMBERS	AES630-528-8665UE: Fanless embedded system with Intel® Core™ i7-8665UE AES630-528-8365UE: Fanless embedded system with Intel® Core™ i5-8365UE AES630-528-8145UE: Fanless embedded system with Intel® Core™ i3-8145UE AES630-528-4305UE: Fanless embedded system with Intel® Core™ Celeron 4305UE
OPTIONS	Wall mount kit, DIN-rail kit, Power cord, 3G/LTE module

MECHANICAL DRAWING



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