

AES300-83M

Industrial DIN-Rail Fanless Systems Series



AES300-83M

PRODUCT HIGHLIGHTS

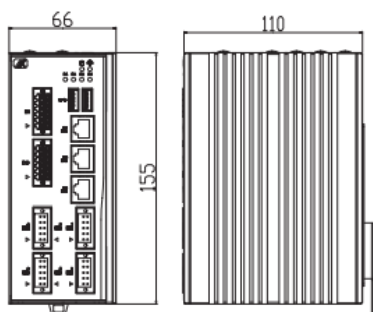
- ▶ Intel Atom® x5-E3930 processor
- ▶ 6 isolated COM, isolated DIO (8-in/8-out), 3 GbE LAN
- ▶ Supports cold boot at -40°C
- ▶ Wide operating temperature range from -40°C to +85°C
- ▶ 9 to 36 VDC, typical 12/24V power input with OVP, UVP, OCP, RPP
- ▶ Supports TPM 2.0



TECHNICAL INFORMATION

PROCESSOR	Intel® Atom® x5-E3930 1.3GHz/2C/6.5W
CHIPSET	SoC integrated
SYSTEM MEMORY	1 x SO-DIMM DDR3L-1866, up to 8GB
COM	2 x Isolated RS-232/422/485 (Phoenix Type) 4 x Isolated RS-232/422/485 (4-wire, Phoenix Type)
USB	2 x USB 3.0
ETHERNET	3 x RJ-45 isolated 10/100/1000 Mbps Ethernet (Intel® i210-IT) Isolation voltage: 1.5 kV
POE	N/A
CANBUS	N/A
DIGITAL I/O	1 x Isolated 8-in/8-out DIO
ANALOG INPUT	N/A
DISPLAY	1 x HDMI (up to 1920 x 1200 @60Hz)
EXPANSION	1 x M.2 Key B 3052: USB3.0 /PCIe (for 5G module) 1 x Full-size Rev.1.2 PCI Express Mini Card slot: USB (for LTE/Wi-Fi module) 1 x Half-size Rev.1.2 PCI Express Mini Card slot: USB/mSATA (for mSATA) 2 x SIM slot (1 for M.2; 1 for full-size PCI Express Mini Card)
STORAGE	1 x mSATA (occupied 1 x PCI Express Mini Card slot) 1 x Internal 2.5" SATA drive (9.5 mm height) 1 x eMMC on board (optional)
OTHERS	TPM 2.0 / 3 x Antenna opening
POWER SUPPLY	1 x Terminal block, 9 to 36 VDC, typical 12/24V
WATCHDOG TIMER	255 levels, 1 to 255 sec.
CONSTRUCTION	Extruded aluminium and heavy-duty steel, IP30
OPERATING TEMPERATURE	-40°C to +75°C (-40°F to +167°F) / Cold boot at -40°C Supports +85°C operating temperature under condition
RELATIVE HUMIDITY	0% to 95%
VIBRATION	3 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)
DIMENSIONS (W X D X H)	66 x 110 x 155 mm (2.48" x 4.33" x 6.1")
WEIGHT (NET/GROSS)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
CERTIFICATIONS	CE (Class A), FCC (Class A) / ATEX/C1D2
OS SUPPORT	Windows® 10 IoT, Linux
MOUNTING	DIN-rail, Wall Mounting

Dimensions



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