

AIS-2V20 Series

Mini-ITX Fanless Box PC with AMD Ryzen CPU
4 x DP for Quad Display, 2LAN, 6COM, 2USB3
7USB2, M.2 Key E, M, 12V/19~28V DC-Input



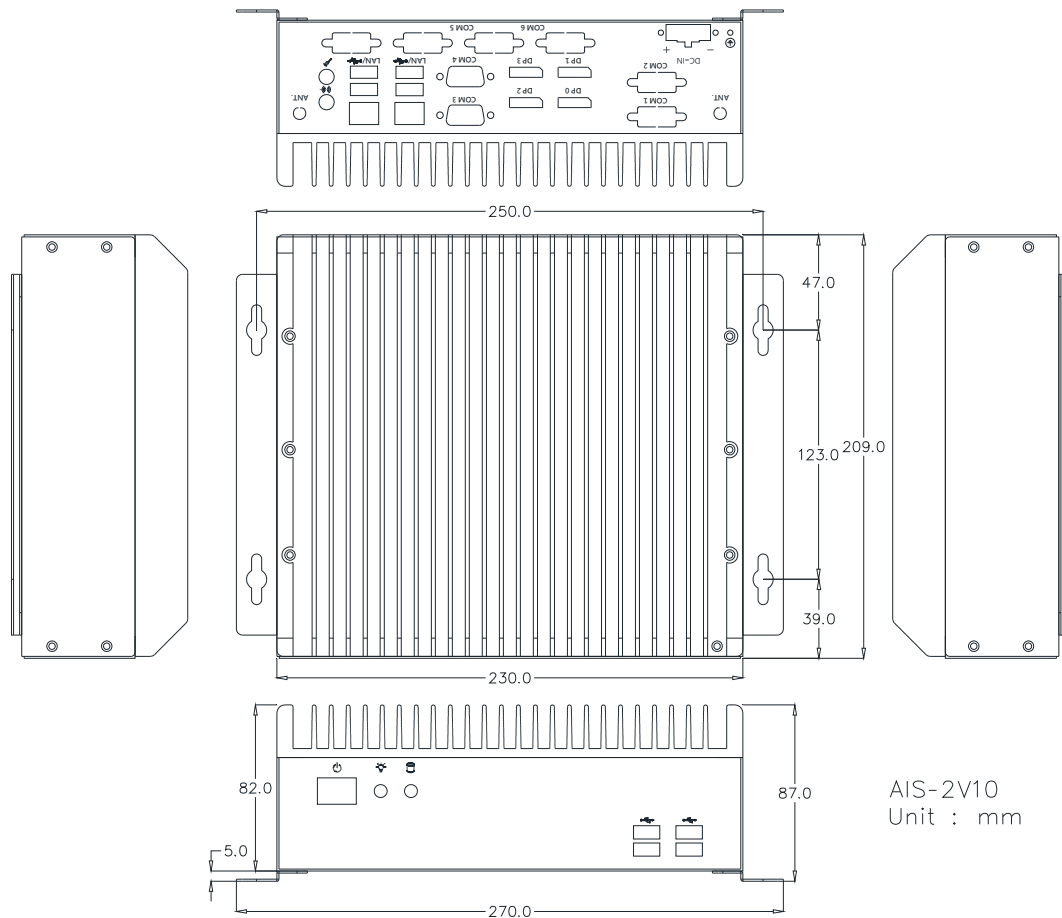
Features

- Mini-ITX fanless system with AMD Ryzen V1807B, V1605B and V1202B CPU
- 4 x DP 1.3, the best digital signage Quad Display platform
- Dual Channel DDR4, 2 x SO-DIMM, up to 32GB system memory
- Dual LAN by Realtek 8111EPV and R8111G
- 2 x COM(2xRS-232/422/485), option 2 x COM(RS-232)
- 2 x USB 3.1, 2 x USB 2.0 on rear, 4xUSB 2.0 on front.
- 1 x M.2 Key E, 1 x M.2 Key M, one 2.5" HDD space
- The first AMD-POWERED 4x Display Box PC solutions

Specifications

AIS-2V10 Series Key Features		AIS-2V10P-M0-00P0	AIS-2V10M-M0-00P0	AIS-2V10V-M0-00P0
Processor System	CPU (AMD Ryzen)	V1807B	V1605B	V1202B
	L2 Cache / Core	2MB, Quad-Core	2MB, Quad-Core	1MB, Dual-Core
	Base Frequency	3.35GHz	2GHz	2.3GHz
	GPU SoC	AMD Radeon Vega 11	AMD Radeon Vega 8	AMD Radeon Vega 3
	TDP	35~54W	12~25W	12~25W
Expansion Slot	Mini-PCIe	1 x Full/Half-size Mini-PCIex1 and USB 2.0		
	M.2 (Key E)	1 x M.2 Key E, 2230 with PCIe1 and USB 2.0 for Wireless		
	M.2 (Key M)	1 x M.2 Key M, 2242/2260/2280) with PCIe2 and SATA for SSD		
Memory	Specification (SO-DIMM)	2x Channel DDR4-3200 MHz		2x Channel DDR4-2400 MHz
	Max. Capacity	Up to 32 GB system memory		
Graphics	Display Port	4 x DP, support max resolution up to 3840x2160 @ 60Hz		
Ethernet	Interface Controller	Dual GbE, 1 x Realtek 8111EPV, 1 x Realtek R8111G		
	Connector	2 x RJ-45		
SATA	SATA 3	2 x SATA3 (6.0 Gb/s)		
System Rear I/O	Display Port	4 x DP 1.3 (Support DP++)		
	Ethernet	2 x RJ45		
	USB	2 x USB3.1 (Gen 2), 2 x USB 2.0		
	Serial	2 x COM (COM3/COM4 RS-232/422/485 are selectable by BIOS)		
	Audio	1 x Audio ports (Mic-in, Line-out)		
System Storage	HDD Driver Space	1 x HDD Space for one 2.5" HDD		
Optional Features on Rear I/O	COM5/COM6	2 x COM (RS-232) by DB9		
	GPIO	1 x DB-9 or DB-15 for 4 x GPI + 4 x GPO by inquiry		
	CAN	1 x DB9 for 2 channel CAN 2.0 A/B or 2 x DB9 for 2 channel CAN 2.0 A/B by inquiry		
System Front Bezel	Power On-Off Switch	1 x Soft switch		
	Power LED	1 x LED for system power status		
	HDD LED	1 x LED for HDD data access status		
	USB 2.0	4 x USB 2.0		
Operation System	Windows 10	Win10 IoT 64-bit		
Watchdog Timer	Output and Interval	System reset, programmable 1-255 sec/min; 1 sec. or 1min. / step		
System Power	DC Input	1 x 2-pin phoenix connector for DC 12V / 19V~ 26V		
Environment	Operating Temperature	0 ~ 45°C (32 ~ 113°F)		
	Air Flow Condition	45 ~ 50°C (113 ~ 122°F) with 0.7m/s air flow		
	Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)		
Physical Size	Dimensions	230mm(W) x 209mm(D) x 87mm(H)		
Packing Size	Dimensions	310mm(W) x 310mm(D) x 160mm(H)		
Weight	N.W. / G.W.	4.0Kg / 4.5Kg		
Certifications	EMC	CE/FCC to be ready soon		

Dimension Drawing



Ordering Information

Part Number	AMD CPU	DP	GbE	UBS 3.1	USB 2.0	COM	Memory	M.2 SATA/NVMe	SSD/HDD	DC Input
AIS-2V10P-M0-H00P0	V1807B	4	2	2	4	4	Option	Option	Option	12V/ 19~28V
AIS-2V10M-M0-H00P0	V1605B	4	2	2	4	4	Option	Option	Option	12V/ 19~28V
AIS-2V10V-M0-H00P0	V1202B	4	2	2	4	4	Option	Option	Option	12V /19~28V

Optional Items

Part Number	Description
SODIMM-DDR4 4GB/8GB	4GB/8GB, 204-Pin SODIMM DDR4 3200MHz
M2-M64D(2242)/N12D(2280)	M.2 SATA3 2242 64GB 3D-TLC/ M.2 2280 128GB 3D-TLC (B-KEY)
M2-M64L(2242)/N12L(2280)	M.2 SATA3 2242 64GB MLC/ M.2 2280 128GB MLC (B-KEY)
M2-P64D(2242)/Q12D(2280)	M.2 PCIe Gen3x2, 2242 64GB 3D-TLC/ M.2 PCIe Gen3x2, 2280 128GB 3D-TLC (M-KEY)
M2-P64L(2242)/Q12L(2280)	M.2 PCIe Gen3x2, 2242 64GB MLC/ M.2 PCIe Gen3x2, 2280 128GB MLC (M-KEY)
AC-9260	M.2 2230 (E-KEY) Wi-Fi Module, Intel AC9260 802.11abgn + Bluetooth 5.0, dual band 2T2R
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws L=178mm
DHAN3-60W-2P	AC-DC 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with 2-pin phoenix connector