



Features

- Intel 11th Tiger Lake-UP3 i5-1145G7E, i3-1115G4E CPU
- Supports DDR4 3200MHz, 2xSO-DIMM, up to 64GB system memory
- 4 x HDMI 2.0b port, max resolution up to 4096x2160 @60Hz
- High-speed connectivity by 2.5GbE Intel LAN
- 6x COM, COM1/2 by RS-485/422/232, COM3/4/5/6 by RS-232
- Onboard 2 x SATA3, M.2 B/E/M-Key, SIM card slot for 4G/5G
- Wide DC 12-28V Input by 2-Pin phoenix connector
- ATM, Kiosk, self-service, machine automation, IoT gateway platform

Specifications

AIS-2024 Series Key Features		AIS-2024P-C2	AIS-2024M-C2	AIS-2024V-C2	AIS-2024C-C2
Processor System	CPU Max. Speed	Up 4.4GHz/1.8GHz	Up 4.1GHz/1.5GHz	Up 3.9GHz/2.2GHz	1.8GHz
	L2 Cache, Core	12MB, 4-Core/8T	8MB, 4-Core/8T	6MB, 2-Core/4T	4MB, 2-Core/2T
	CPU/ TDP 12W/15W	i7-1185G7E	i5-1145G7E	i3-1115G4E	Celeron 6305E
	BIOS	256Mb SPI MX25L25673GM21-08G			
Expansion Slot	Graphics Processor	Intel Iris Xe Graphics		Intel UHD Graphics	
	M.2 B-Key	1 x M.2 B-Key 3042/3052 (PCIe x1/USB 3.2/USB 2.0 and SIM Slot) for 4G/5G			
	M.2 E-Key	1 x M.2 E-Key 2230(PCI-E x1/USB2.0/CNVi) for Wireless			
Memory	M.2 M-Key	1 x M.2 M-Key 2242/2260/2280 with SATA3 and PCIe Gen4 x 4 for SSD			
	Specification (SO-DIMM)	2 x DDR4 3200MHz, 2x SO-DIMM, 32GB per slot			
Graphics	System Max. Capacity	64GB			
	HDMI	4 x HDMI 2.0b (max. resolution up to 4096 x 2160@60Hz)			
Ethernet	LAN1 2.5G Controller	1 x Intel 1225LM with 10/100/1000/2500 Mbps			
	LAN2 1G Controller	1 x Intel 1219LM with 10/100/1000 Mbps	1 x Intel 1219V with 10/100/1000 Mbps		
Storage	M.2 B-Key	1 x M.2 B-Key Shared with SATA3_1			
	M.2 M-Key	1 x M.2 M-Key 2242/2260/2280 with SATA3_0(shared) and PCIe Gen4 x 4 for SSD			
	2.5" SATA Driver	2 x SATA3 (6Gb/s), Intel SATA RAID 0/1			
System Rear I/O	HDMI	4 x HDMI			
	Ethernet	2 x RJ45			
	USB Type A	2 x USB 3.2(Gen 1), 2 x USB 2.0			
	Audio	1 x Audio port (Line-out and Mic-in)			
	COM1-2 Port	2 x DB-9 (2 x RS-485/422/232, Pin9 +5/+12V selectable)			
	COM3-6 Port	By Request			
	System Power Input	1 x 2-pin phoenix connector 12-28Vdc Input			
System Front Bezel	Antenna	2 x Antenna holes (options)			
	Power-On Button	1x Moment button switch to turn-on system			
	System Power LED	1x LED for system power status			
	HDD LED	1x LED for SSD data access status			
Operation System	Win 10	Win 10 IoT 64-bit, Ent 2019 LTSC			
Watchdog Timer	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step			
Power Requirement	DC Input	12-28Vdc input (option DC12V 60W adapter)			
Environment	Operating Temperature	0°C ~50°C(32~122°F)		TBD	
	Air Flow condition	50°C - 60°C (122~140°F) w/0.7m/s air flow		TBD	
Physical Size	Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)			
	Dimensions	225mm(W) x 140mm(D) x 45mm(H)			
Packing Size	Dimensions	300mm(W) x 270mm(D) x 130mm(H)			
Weight	N.W / G.W.	Single packed: 2.5Kg / 3Kg			
Certifications	EMC	N/A			

Dimensions Outlook



Ordering Information

Part Number	CPU	HDMI	2.5 G	USB 3.2	USB 2.0	COM	DDR4 RAM	M.2 B-Key	M.2 M-Key	60W PSU
AIS-2024P-C4-M0-M00P0	i7-1185G7E	4	1	4	4	2	Option	Option	Option	Option
AIS-2024M-C4-M0-M00P0	i5-1145G7E	4	1	4	4	2	Option	Option	Option	Option
AIS-2024V-C4-M0-M00P0	i3-1115G4E	4	1	4	4	2	Option	Option	Option	Option
AIS-2024E-C4-M0-M00P0	C-6305E	4	1	4	4	2	Option	Option	Option	Option

Optional Items

Part Number	Description
SODIMM-DDR4- M4 / M8	204-Pin SODIMM DDR4-2133, 4GB / 8GB
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-O64L(2242)/P12L(2280)	M.2 NVMe Gen3x2, 2242 64GB MLC/ M.2 NVMe Gen3x2, 2280 128GB MLC (M-KEY)
M2-Q12D(2242)/R12D(2280)	M.2 NVMe Gen3x4, 2242 128GB 3D-TLC / M.2 NVMe Gen3x4 2280 128G 3D-TLC(M-KEY)
AC-9260	M.2 2230 (E-KEY) Wi-Fi Module, Intel AC9260 802.11abgn + Bluetooth 5.0, dual band 2T2R
DHAN3-60W-2P	AC-DC 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with 2-pin phoneix connector
AES-WM-BK	AES Wall Mount Kits with Screws