



Features

- Intel® Meteor Lake-U/Arrow Lake-U Series
- 2 DDR5 5600 MHz SODIMM/6400 MHz CSODIMM Slots up to 96~128GB
- Dual independent displays: 2 DP
- 1 2.5GbE and 1 GbE LAN with RJ-45
- 1 M.2 B key, M.2 E key Slot
- 1 M.2 M key
- 4 USB 10 Gbps, 2 COM
- Onboard TPM 2.0
- 2 opening reserved for antennas
- Anti-Vibration & Shockproof Design to Compliance IEC 61373
- Wide operating temperature: -10~60°C
- Wide Voltage DC-IN 12~24V (OCP & OVP)
- Ultra-Compact with fanless design

Ordering Information

Part Number	Description
Coming Soon	

Packing List

Part Number	Description
Coming Soon	

Specifications

Processor	CPU	Intel® Core Ultra Processors (Series 1) Meteor Lake-U Series Processors, Core™ Ultra 7 165U/155U, Core™ Ultra 5 135U/125U Intel® Core Ultra Processors (Series 2) Arrow Lake-U Series Processors
	Frequency	P-Core: 4.3GHz~5.3GHz (Depends on CPU) E-Core: 3.6GHz~4.2GHz (Depends on CPU)
	L2 Cache	12MB
	CPU Type	BGA
	Chipset	Integrated in SoC Process
	BIOS	AMI
Memory	Technology	Dual-channel DDR5 5600~6400MHz (Depends on CPU)
	Max. Capacity	Up to 96~128GB (Depends on CPU)
	Socket	2 x 262-pin SO-DIMM
Display	Controller	Intel® HD Graphics
	Graphic Memory	Depends on CPU
	Multiple Display	2 independent displays
Display	Display Interface	DP up to 4096 x 2304 @60Hz
	Controller	1 x Intel® I219-LM GbE LAN 1 x Intel® I226-V GbE LAN
Ethernet	Controller	Realtek® ALC897 HD Audio Codec
Audio	Controller	256-level Watchdog Timer
H/W Monitor	Smart Fan	N/A
TPM	Controller	Infineon SLB9672VU2.0
Expansion Slot	PCIe x16	N/A
	PCIe x8	N/A
	PCIe x4	N/A
	PCIe x1	N/A
	PCI	N/A
	M.2	1 x M.2 M key (PCIe Gen4 x4 NVMe), 2280 1 x M.2 B key (PCIe x1, USB 2.0), 2242/3042 1 x M.2 E key (PCIe x1, USB 2.0, w/CNV), 2230
Storage	Mini-PCIe	N/A
	SATA	N/A
	mSATA	N/A
	CFast	N/A
	CompactFlash	N/A
	RJ-45	2
I/O Interface	PoE	N/A
	Audio	N/A
	USB	4 x USB 10 Gbps
	Serial	2 x COM ports COM1~2: RS-232/422/485, 0V/5V/12V
	PS/2	N/A
	GPIO	8-bit (Default 4 x GPI, 4 x GPO), 5V
	CANbus	N/A
	HDMI	N/A
	LVDS	N/A
	DVI	N/A
	DisplayPort	2
	Antenna	2 openings reserved for antennas
Power Supply	DC Input	DC-in 12~24V (OCP & OVP)
	IP Rating	N/A
Environment	Operating Temperature	-10~60 °C (w/SSD) Note: Thermal w/ Airflow:0.7m/s
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
	Vibration	IEC61373 Category 1, Class B
	Shock	IEC61373 Category 1, Class B
Form Factor	Dimensions (Wx DxH)	130 x 155 x 40 mm
	Weight	1.1 kg
	Mounting	Wall mount (STD)/DIN-rail mount (STD)
Certification	EMC	CE, FCC, RCM, VCCI, BSMI, UKCA, IC
	Safety	IEC 62368: CE(LVD) / BSMI
Software Platform	OS Support	Windows 11 IoT Enterprise LTSC (64-bit, 24H2) Windows 10 IoT Enterprise LTSC (64-bit, 21H2), Pre-scan Linux (Support by request)