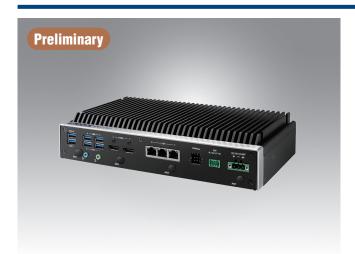
ARK-2251

Intel 13th Generation Core i3/i5/i7 Modular Fanless Box PC



Features

- Intel 13th Core i3/i5/i7 processor
- Dual channel DDR5 SODIMM memory up to 64GB support
- Support NVMe with PCle x4
- 3x GbE, 6x USB (2x independent), 6x COM, 2x CANbus, Dual HDMI
- M.2 E key and mPCle interfaces support wireless module installation
- Support 12x iDoors for IO expansion
- Optional PoE module
- 12-24V wide Power input
- -20-60°C wide operating temperature
- WISE-DeviceOn supported for quick AI deployment at scale



WISE-DeviceOn SUSIAPI







Specifications

	0.511	13th Generation Intel® Core™ i Processo	r	
Processor System	CPU	Core i3-1315UE	Core i5-1335UE	Core i7-1365UE
	Frequency	1.2 GHz	1.3 GHz	1.7 GHz
	Core Number	2P+4E	2P+8E	2P+8E
	BIOS	AMI EFI 256Mbit		
Memory	Technology	DDR5 4800 MHz		
	Max capacity	64GB		
	Socket	2x 262-pin SODIMM		
Graphics	Chipset	Intel® Iris® Xe Graphics eligible		
	HDMI	Up to 4096 x 2304 @ 60Hz		
	Dual Display	2x HDMI		
Ethernet	LAN1	10/100/1000 Mbps Intel i219 GbE, supp	ort Wake On LAN	
	LAN2	10/100/1000/2500 Mbps Intel i226 GbE, support Wake On LAN (optional PoE module)		
	LAN3	10/100/1000/2500 Mbps Intel i226 GbE, support Wake On LAN (optional PoE module)		
Audio	Interface	Realtek ALC888S, High Definition Audio. Line-out, Mic-in		
I/O Interface	Serial Ports	6x RS-232/422/485	Emo dat, Milo III	
	USB Ports	6x USB3.1 Gen 1 (2x are independent), 1 x internal USB2.0 for security dongle		
	GPIO	8-bit Programmable DIO	x internal GGDZ.0 for Gooding C	iongio
	CANBus	2		
Expansion	Mini PCle	1x Full-size Mini PCle		
	M.2	2 (1x E key and 1x M key)		
Storage	NVME	1x M.2 M Key supporting NVME		
	mSATA	shared with mPCle		
Other	WatchDog Timer	255 levels timer interval, setup by softwa	re	
	TPM	TPM 2.0 (Optional by AMO-I029)	10	
Software Support	Microsoft Windows	Windows 10 Enterprise		
	Linux	Ubuntu 20.04, others by project support		
Power Requirement	Power Type	ATX/AT		
	Power Input Voltage	12-24 Vpc		
Power Consumption	Typical (OS idle mode)	to be confirmed		
	Max. (Full loading)	to be confirmed		
Mechanical	Construction	Aluminum/Iron		
	Mounting	Desk / Wall / VESA / DIN-Rail mounting		
	Dimensions (W x H x D)	260 x 54 x 140.2 mm (10.24" x 2.13" x 5	52")	
	Weight	to be confirmed	.02)	
Environment	Operating Temperature	With extended temp. peripherals: -20 ~ 6	0° C with 0 7m/s air flow	
	Storage Temperature	-40 ~ 85 °C (-40 ~ 185°F)		
	Relative Humidity	95% @ 40 °C (non-condensing)		
	Vibration during Operation	With SSD: 3 Grms, IEC60068-2-64, random, 5~500 Hz, 1hr/axis (with Wall Mount)		
	Shock during Operation	With SSD: 30 G, IEC-60068-2-27, half sine, 11 ms duration (with Wall Mount)		
	EMC	CE, FCC class B, CCC, BSMI		
	Safety	CB, UL, CCC, BSMI		

