

EPC-T4219 Thin 1U System

1U, Compact barebone System with Intel Alder Lake-N Processor



Features

- 1U THIN Compact design
- Single IO panel for default
- USB type-C support by SKU
- Thin barebone with multi-IO ports is suitable for variety of application environments with DC-in design
- Easy/ quick installation for additional peripherals
- Support Wall/VESA Kit



- Note: CE (No RED certification)

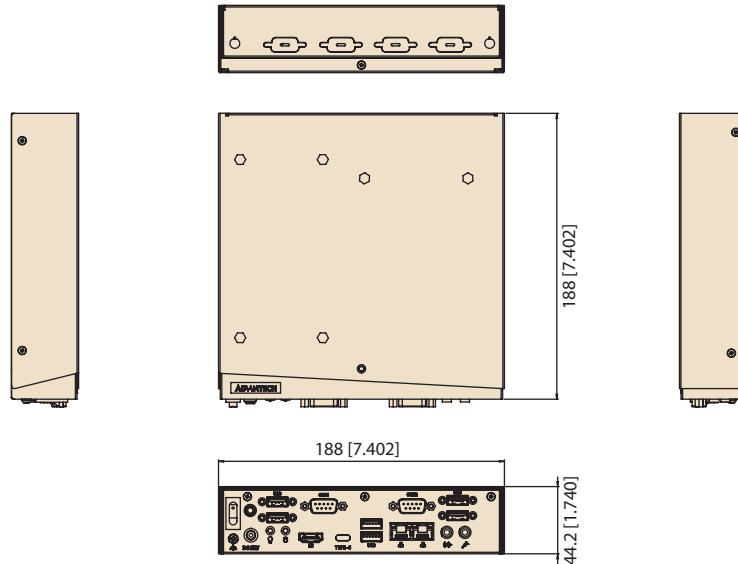
Specifications

Series	EPC-T4000 1U series			
Model Name	EPC-T4219			
Order Parts Number	PN	EPC-T42190W-00Y300	EPC-T42190W-00YN00	EPC-T42190W-00YN01
Processor System	System	Fan-based		
	CPU / Chipset	Intel i3-N305	Intel N97	Intel N97
	CPU Max Turbo Frequency	3.80 GHz	3.60 GHz	3.60 GHz
	CPU Total Cores	8	4	4
	CPU Cache	6 MB Intel® Smart Cache	6 MB Intel® Smart Cache	6 MB Intel® Smart Cache
	TDP	15W	12W	12W
Memory	BIOS	AMI 256 Mbit SPI		
	Socket	1 x 260-pin SO-DIMM (Non-ECC)		
	Technology	DDR4 3200MHz SDRAM		
	Max. Capacity	16 GB (16 GB per SO-DIMM)		
Graphics	Chipset integrated	Intel® UHD Graphics		
	HDMI	1 x HDMI support 1920x1080		
	DP (via USB Type-C)	1 x DP 1.4a, up to 4096x2304 @60 Hz	1 x DP 1.4a, up to 4096x2304 @60 Hz	NA
Expansion Slot	M.2	1 x E-Key for wireless module (WiFi/BT, Type: 2230), 1 x B-key for storage (SSD/LTE, Type: 2242/2280)		
Storage	Slim 2.5" HDD	only support 1 x 2.5" SATAIII SSD (7mm)		
	M.2	B key for storage and LTE module (only support PCIe1 Gen3 signal, Type: 2242/2280, refer to Expansion Slot)		
Ethernet	Interface	10/100/1000 Mbps		
	Lan IC	LAN1: Realtek 8111K with RJ-45 LAN2: Realtek 8111K with RJ-45		
	M.2 Module	E key for wireless module (Type: 2230, refer to Expansion Slot)		
Audio	Chipset	Realtek ALC888S, High Definition Audio(HD)		
Internal IO	GPIO	8 bit GPIO		
Watchdog Timer	Interval	System reset; Programmable 1 ~ 255 sec or min		
Front Panel	Power Switch	1 x Powerpush button 1 x Remote Power Switch with 2.5mm power jack		
	LED Indicators	1 x Power LED 1 x HDD LED		
	DP	via USB type-C	via USB type-C	NA
	HDMI (FHD)	1		
	USB	4 x USB 2.0 2 x USB 3.2 (Gen2x1) 1 x USB type-C (Gen2x1)	1 x USB type-C (Gen2x1)	NA
	Serial ports (COM)	2 with D-SUB 9-pin connector		
	LAN	2 with RJ-45		
	Audio	2 (Line-Out/MIC-In)		
	Power input with DC Jack	1		
	Antenna	0		
Rear Panel	Serial ports	4	4	0
	Antenna	2 (Optional)		
Power Requirements	Voltage Power	DC-12V input with 2.5mm power jack		
	Power Adapter	60W, 12V DC-in (Optional)		
Expansion Area Environment	Operating Temperature	0 ~ 45°C (32 ~ 113°F)		
	Non-operating Temperature	-40 ~ 85°C (-40 ~ 185°F)		
	Humidity	85% @ 40° C, non-condensing		
	Vibration (5 ~5 00Hz)	3Grms (1 x 2.5" SSD)		
Dimensions (W x H x D)		188 x 44.2 x 188 mm (7.4" x 1.74" x 7.4")		
Weight		1.8 Kg		
Certification		CE, FCC		
Mounting bracket		Wall \ VESA mount (Optional)		

EPC-T4219 Thin 1U System

Dimensions

Unit: mm [inch]



Front View



Rear View

EPC-T42190A-00YN01



EPC-T42190A-00Y300

EPC-T42190A-00YN00



Ordering Information

Parts Number	Description	CPU	Front IO							Rear IO	Internal IO / Function				
			HDMI (FHD)	USB Type-C	DP	GbE	USB3.2	USB2.0	COM		SATAIII	M.2 B key	M.2 E key	TPM	AMP
EPC-T42190A-00Y300	EPC-T4219 Barebone, w/ i3-N305, USB Type-C, 6xCOM	i3-N305	1	1	via USB Type-C	2	2	4	2	4	1	1	1	optional	optional
EPC-T42190A-00YN00	EPC-T4219 Barebone, w/ N97, USB Type-C, 6xCOM	N97	1	1	via USB Type-C	2	2	4	2	4	1	1	1	optional	optional
EPC-T42190A-00YN01	EPC-T4219 Barebone, w/ N97, 2xCOM, w/o USB Type-C,	N97	1	0	0	2	2	4	2	(4)*	1	1	1	optional	optional

(4)* : Default is 0, can up to 4 ports by T-PN

Packing List

Part Number	Description	Quantity
2190000902	Warranty card	1
1992600110	Rubber foot	4
1930001241	Screws for Hard Disk/ spare	4
202KAKMC00	China RoHS	1
2006421800	Startup Manual	1

Optional Accessories

Part Number	Description
AIMB-0BRK-WM02E	Wall mounting kit
EPC-BRKT-VM010	VESA mounting kit
96PSA-A60W12V1-4	ADP A/D 100-240V 60W 12V C14 DC PLUG 180°
1700035482-01	USB cable (2 ports), 25cm
1700034404-01	COM cable (1 ports), 50cm
1700034192-01	GPIO cable
1702002600	Power cord, 3-pin power cord (US)
1702002605	Power cord, 3-pin power cord (EU)
1702031801	Power cord, 3-pin power cord (UK)
1700000237	Power cord, 3-pin power cord with PSE (Japan)
1700031603-01	Power Cord, 3-pin power cord with BSMI (TW)

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