EPC-T228A Series System

1U, THIN PC with Intel®
12th/13th/14th Gen. Core i Processor

NEW

Features

- 1U, Thin design with 44.2mm in height
- Single panel for main IO ports
- Easy/ quick installation for additional peripherals
- One 2.5" shock-resistant drive bay
- Support Wall/VESA/Rack mounting Kit
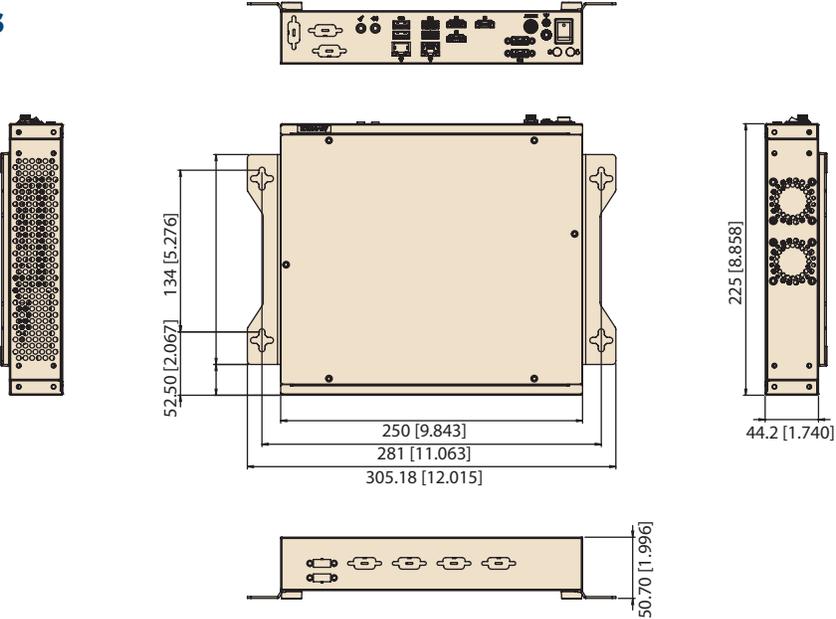- Lock type DC power jack

ubuntu Windows 10 Windows 11 WISE-DeviceOn CE FC CCC RoHS COMPLIANT 2002/95/EC

- Note: CE (No RED certification)

Specifications

	Model Name	EPC-T2000 series	
	Order Parts Number	EPC-T228A0A-00Y302	EPC-T228A0A-00Y502
Barebone system	Description	Fan-based barebone w/ Intel® 12th/ 13th/14th Gen. Core™ I CPU up to 65W; without RAM, Storages, ADP	
Processor System	Thermal solution	2 x chassis fan (4cm/23.8CFM each) + heatsink	
	CPU	Intel® 14th Gen. Core™ I3-14100	Intel® 14th Gen. Core™ I5-14500T
	BIOS	AMI EFI 128 Mbit, SPI	
	Chipset	Intel H610E	
Memory	Socket	Two DDR 262-pin SO-DIMM	
	Technology	Support Dual Channel DDR5 4800/5600MHz (based on CPU) SDRAM (Non-ECC)	
	Max. Capacity	64 GB/ up to 32 GB per DIMM/support 8GB, 16GB, 32GB	
Graphics	Chipset integrated	Graphics Base Frequency: 300 MHz Graphics Max Dynamic Frequency: 1.5 GHz	
Storage	SATA ports with HDD bracket	1 (support 1x 2.5" HDD/SSD, max 7.5 mm height)	
	M.2 with M key	1* M-key with Pce x4 for storage (Type: 2242; PCIe/NVMe interface M.2 SSD) (please see "Expansion Slot")	
Ethernet	Interface	(10/100/1000/2500 Mbps)	
	Controller	LAN 1: Intel i219LM (10/100/1000 Mbps) LAN 2: Intel i226V (10/100/1000/2500 Mbps)	
	Connector	2 (RJ-45)	
Audio	Chipset	Realtek ALC888S, High Definition Audio(HD)	
Expansion Slot	M.2 with M key	1* M-key with Pce x4 M.2 card (Type: 2242; when for storage can support PCIe/NVMe interface M.2 SSD)	
	PCIe slot	0	
Internal Connector	COM	4 ports, COM1/COM3/COM4 support RS-232. COM2 support RS232/422/485)	
	USB 2.0	4 ports, 2 ports in front panel, 2 ports is optional (at rear panel)	
Front Panel	HDMI	3	
	Ethernet	2 (RJ-45)	
	USB 3.2/ USB2.0	4/2	
	Audio	2 (Mic-In, Line-out)	
	COM (optional)	2 (upto 3 ports, default 2 ports: COM1/COM2 support RS-232; COM2 can support RS-232/422/485 with auto flow control)	
	LED Indicators	2 (Power LED, HDD LED)	
	Power Switch	1 (Power Switch); 1 (Remote Power Switch)	
	Power Input	1 (DC Jack)	
Rear Panel	USB 2.0 (optional)	(2)	
	COM (optional)	4 ports Pre-cut for optional (MB total: 4 ports, Rear can upto 2 ports)	
	GPIO (optional)	8-bit	
Power Requirements	Voltage	12V DC-in	
	Power Consumption	74W with Intel I5-14500 (generally burn-in)	
Environment	Operating Temperature	0 ~ 50 °C (32 ~ 122 °F)	
	Non-operating Temperature Humidity Vibration (5 ~5 00Hz)	-40 ~ 85 °C (-40 ~ 185 °F)	
	Humidity	85% @ 40 °C, non-condensing	
	Vibration (5 ~5 00Hz)	3 Grms (With SSD)	
Dimensions (W x H x D)	Dimensions (W x H x D)	250 x 44.2 x 225 mm (9.84" x 1.74" x 8.85")	
Weight	Weight	2.5 kg	

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All product specifications are subject to change without notice.

Dimensions

Unit: mm [inch]

134 [5.276]

52.50 [2.067]

250 [9.843]

281 [11.063]

305.18 [12.015]

225 [8.858]

44.2 [1.740]

50.70 [1.996]

Front View

Default: COM 1
Default: COM 2

Rear View

Ordering Information

PN	Description	CPU	Front IO						RearIO		Others					
			HDMI	DP	Lan	USB 3.0/2.0	Audio	COM/GPIO	COM/GPIO	USB	M.2	AMP	TPM	OS	certificate
EPC-T228A0A-00Y302 EPC-T228A0A-00T302 **	Bare-bone, with H610E, w/ CPU: i3-14100 w/o RAM, storage, ADP	Intel® 14th Gen. Core i3-14100	3	0	2 (RJ-45)	4/2	2 (Mic-In, Line-out)	2+(1)/ (1)	Total 4 ports Pre-cut for optional	2 ports Pre-cut for optional	1	optional	optional	optional	CE, FCC, 3C, BSMI
EPC-T228A0A-00Y502	Bare-bone, with H610E, w/ CPU: i5-14500T w/o RAM, storage, ADP	Intel® 14th Gen. Core i5-14500T	3	0	2 (RJ-45)	4/2	2 (Mic-In, Line-out)	2+(1)/ (1)	Total 4 ports Pre-cut for optional	2 ports Pre-cut for optional	1	optional	optional	optional	CE, FCC, 3C, BSMI
EPC-T228A0A-00TS01**	Bare-bone, with H610E, TPM, w/o CPU, RAM, Storage, ADP	Intel® 12th/ 13th/ 14th Gen. Core i7/i5/i3 up to 65W	3	0	2 (RJ-45)	4/2	2 (Mic-In, Line-out)	2+(1)/ (1)	Total 4 ports Pre-cut for optional	2 ports Pre-cut for optional	1	optional	Yes	optional	CE, FCC, 3C, BSMI
EPC-T228A0A-00TS01**	Bare-bone, with H610E, w/o TPM, CPU, RAM, Storage, ADP	Intel® 12th/ 13th/ 14th Gen. Core i7/i5/i3 up to 65W	3	0	2 (RJ-45)	4/2	2 (Mic-In, Line-out)	2/(1)	0/ (1)	0	1	optional	optional	optional	CE, FCC, 3C, BSMI
EPC-T228A0A-CNYS02 (ACN only)	Bare-bone, with H610E, w/o CPU, RAM, Storage, ADP	Intel® 12th/ 13th/ 14th Gen. Core i7/ i5/i3 up to 65W	3	0	2 (RJ-45)	4/2	2 (Mic-In, Line-out)	2/(1)	0/ (1)	0	1	optional	optional	optional	CE, FCC, 3C, BSMI

* COM: total have 4 ports.(Front upto 3 ports/ Rear upto 4 ports. Default: 2 port on front panel; other 2 ports are optional on Front or Rear panel)
* GPIO: It will occupy the position of 1pcs COM port.
* T-PN MoQ is 100pcs
* Use T-PN to change chipset from H610E to Q67E, it will can support iAMT and vPro.(CPU must support)
* Based on your application, you can apply for T-PN to arrange the location of your COM ports arbitrarily Choose one from seven).
**: Means Made in Taiwan

Packing List

Part Number	Description	Quantity
2190000902	Warranty card	1
1990012452S000	Bottom rubber foot	4
1930003238	Screws for bottom rubber foot	4
1930001241	Screws for Hard Disk/ spare	6
1930004828	Screws for Hard Disk bracket spare	2

Optional Accessories

Part Number	Description
AIMB-0BRK-WM02E	Wall mounting kit
AIMB-0BRK-VM04E	VESA mounting kit
AIMB-0BRK-RM02E	Rack mounting kit
96PSA-A150W12W7-4	ADP DC-12V, 100-240V 150W with LOCKABLE DC JACK, Plug 180°
96PSA-A120W12W7-3	ADP DC-12V, 100-240V 120W with LOCKABLE DC JACK, Plug 180°
96PSA-A120W12V1	ADP DC-12V, 100-240V 120W no LOCKABLE DC JACK, Plug 180°
1700032496-01	USB2.0 cable, 15cm
1700019414	COM cable (1 ports), 25cm
1700031615-01	COM cable (2 ports), 50cm
1700034192-01	CPIO cable (female D-SUB), 25cm
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)