

EPC-T4286 Series System

THIN barebone with 8th/9th Gen. Intel® Desktop Core i Processor



Features

- THIN Compact design with 44.2mm in height
- Thin barebone with multi-I/O ports is suitable for variety of application environments with DC-in design
- Easy/ quick installation for additional peripherals
- Support Wall/VESA/Din Rail mounting kit
- Lock type DC power jack



- Note: CE (No RED certification)

Specifications

	Model Name	EPC-T4000 series		
	Order Parts Number	EPC-T42865A-08Y02	EPC-T42865A-00Y0E	EPC-T42865A-EUY2E
Barebone system	Description	Fan-base barebone, w/ CPU; w/o HDD, SSD, Memory, Power Adapter		
Processor System**	CPU Cooler (17.79CFM)	1	1	1
	Sys FAN (4cm/23.8CFM)	1 (Optional TPN for 2 sys fan w/ 65W CPU @40°C)		2 (w/35W CPU @50°C; 65W CPU @40°C)
		Intel® Core™ i5-8500T (35W)		i7-9700E/TE, i7-8700/T, i5-9500E/TE, i5-8500/T, i3-8100/T, G5400/T, G4900/T
Memory**	BIOS	AMI EFI 128 Mbit, SPI		
	Socket	2 x 260 PIN DDR4 SO-DIMM (Non-ECC)		
	Technology	Dual Channel DDR4 2133 MHz SDRAM		
Graphics	Max. Capacity	Default 4GB (Can upgrade at CTOS)	Up to 64GB (32G per SO-DIMM)	Up to 64GB (32G per SO-DIMM)
	Chipset integrated	Intel® HD Graphics, Supports OpenGL 5.x, DirectX12, OpenCL 2.X		
Storage**	2.5" HDD bay	Default 1 x 2.5" 64GB SSD	1 (support 2.5" SSD, max 7 mm height)	1 (support 2.5" SSD, max 7 mm height)
	Interface	10/100/1000 Mbps		
Ethernet**	Controller	LAN1: Realtek RTL8111H LAN2: Realtek RTL8111H LAN3: Intel i210AT	LAN1: Realtek RTL8111H LAN2: Realtek RTL8111H	LAN1: Realtek RTL8111H LAN2: Realtek RTL8111H
	Connector	3 (RJ-45)	2 (RJ45)	2 (RJ45)
Audio	Chipset	Realtek ALC888S, High Definition Audio(HD)		
Internal expansion Slot	M.2 socket	1 x B key for SSD and 3G/4G (USB 3.0 coloy with USB 4), Type: 2242, 3042mm; 1 x E key for wireless, Type: 2230mm		
Front Panel**	DP/HDMI	1 / 1 (HDMI 1.4 + DP1.2)		
	Lan	3 (RJ-45)	2 (RJ45)	2 (RJ45)
	USB	4 USB3.0 / 2 USB2.0 (USB 4 coloy with USB port of M.2 B key)		
	Audio Jack	2 (Line-Out, Mic-in)		
	Power Input	1 (DC Jack)		
	COM	2 (1x RS-232, supports 5V/12V by jumper selection; 1 x RS-232/422/485 by Bom optional, default RS-232)		0
	Grounding Screws	1		
Rear Panel**	Antenna (optional)	1		
	COM	4 (3 x RS-232, 1 x RS-232/422/485 by Bom optional, default RS-232)	0	0
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)		
	Remote Power Jack	1 2.5Ø jack		
	Control	1 (Power Switch); 1 (Remote Power Switch)		
Power Requirements	Voltage Power	12V DC-in	12V DC-in	12V DC-in
	Power Adapter	Default 84W ADP*	Optional	Optional
	Consumption	80.4W		
Environment	Operating Temperature	-0 ~ 50 °C, with 35W CPU and SSD -0 ~ 40°C with 65W CPU, SSD/HDD, Dual system FAN		-0 ~ 50 °C, with 35W CPU and SSD -0 ~ 40°C with 65W CPU, SSD/HDD, Dual system FAN
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F)		
	Humidity	10 ~ 95% @ 40 °C, non-condensing		
	Vibration (5 ~5 00Hz)	0.5 Grms (HDD x 1); 3 Grms (SSD x 1)		
Certification	CE, FCC, CCC, CB/UL			CE, FCC, CCC, CB/UL
Dimensions (W x H x D)	188 x 44.2 x 188 mm (7.4" x 1.74" x 7.4")			
Weight	2.1kg			

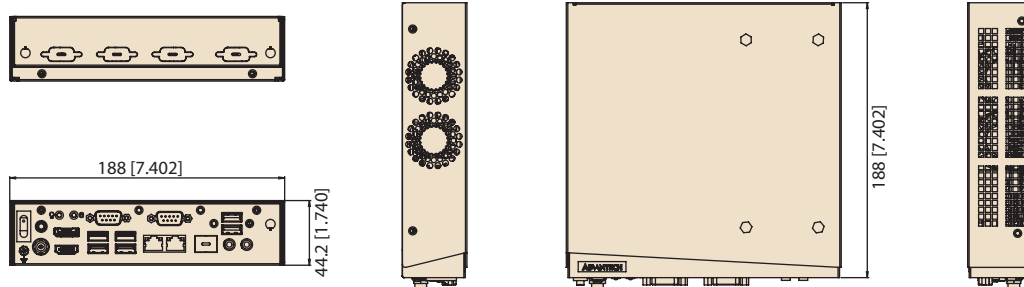
* Kindly re-view actual power consumption then chose proper power adapter

** IOs/Config. could be discussed by project based or TPN w/ MOQ 250PCs

EPC-T4286 Series System

Dimensions

Unit: mm [inch]



Front View

EPC-T42865A-08Y02



EPC-T42865A-00Y0E



EPC-T4286SA-EUY2E



Rear View



Ordering Information

Parts Number	Description	CPU	CPU TDP	Front Panel						Rear Panel	Sys FAN	Power Adapter	OS	OP Temp	Regulations
				DP/HDMI	USB 2.0/3.0	COM	Lan	Remote PWR Jack	Audio	COM					
EPC-T42865A-08Y02**	EPC-T4286 barebone, w/CPU i5-8500T, 84W ADP, 4G RAM, 64G SSD	Core i5-8500T	35W	1/1	2/4	2	3 (Lan3: Intel i210-AT)	1	1 x Mic-in, 1 x Line-out	4	1	84W	Windows 10 Embedded	0-50°C	CE, FCC, CCC, CB/UL
EPC-T42865A-00Y0E**	EPC-T4286 barebone, w/CPU i5-8500T, w/o RAM, HDD/SSD, ADP	Core i5-8500T	35W	1/1	2/4	2	2	1	1 x Mic-in, 1 x Line-out	N/A	1	N/A	N/A	0-50°C	CE, FCC, CCC, CB/UL
EPC-T4286SA-EUY2E**	EPC-T4286 barebone, w/o CPU, RAM, HDD/SSD, ADP	N/A	N/A**	1/1	4/4	0	2	1	1 x Mic-in, 1 x Line-out	N/A	2	N/A	N/A	35W CPU @50°C 65W CPU @40°C	CE, FCC, CCC, CB/UL

* USB 4 colay with USB port of M.2 B key.

* CPU optional w/ TPN (MOQ 250 pcs).

** 65W CPU w/ 2 sys FAN OP temp @ 40°C, w/TPN (MOQ 250PCs)

** Current thermal solution support 65W w/ 2 sys FAN OP temp @ 40°C

** IOs/Config, could be discussed by project based or TPN w/ MOQ 250PCs

Packing List

Part Number	Description	Quantity
2190000902	Warranty card	1
1930007259-01	Screws for wall-mount bracket	4
1992600110	Rubber foot	4
1930001241	Screws for Hard Disk/ spare	8
202KAKMC00	China RoHS	1
2046028600	Startup Manual	1

Optional Accessories

Part Number	Description
AIMB-0BRK-WM02E	Wall mounting kit
EPC-BRKT-VM010	VESA mounting kit
EPC-BRKT-DM000	DIN Rail 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 150W with LOCKABLE DC JACK, Plug 180°
96PSA-A120W12V1	ADP DC-12V, 100-240V 150W no LOCKABLE DC JACK, Plug 180°
1700032496-01	USB cable (2 ports), 15cm
1700022313-11	COM cable (2 ports), 25cm
1700030664-01	COM cable (4 ports), 23cm
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)

** If using the 51W CPU, please to use 120W power adapter.