

EPC-U2117

Intel Atom Platform Palm Size Fanless system

NEW



Features

- Intel® Atom Quad Core/Dual Core Processor
- Palm-size form factor: 170 (L) x 117 (W) x 52.6 mm (H)
- Supports 2 x LAN, 2 x COM port, 1 x HDMI, 1 x Display Port, 4 x USB3.0, CANBus, and DCIN 12~24V
- Built-in 1 x M.2 expansion slot (i.e.: Wi-Fi module), 1 x Full size Mini PCIe expansion slot (i.e.: mSATA/ 3G/LTE module)
- Support on-board eMMC and 1 x 2.5" HDD or SSD storage.
- Wide operating temperature -20 ~ 60 °C support
- Complete certification for EMC and Safety

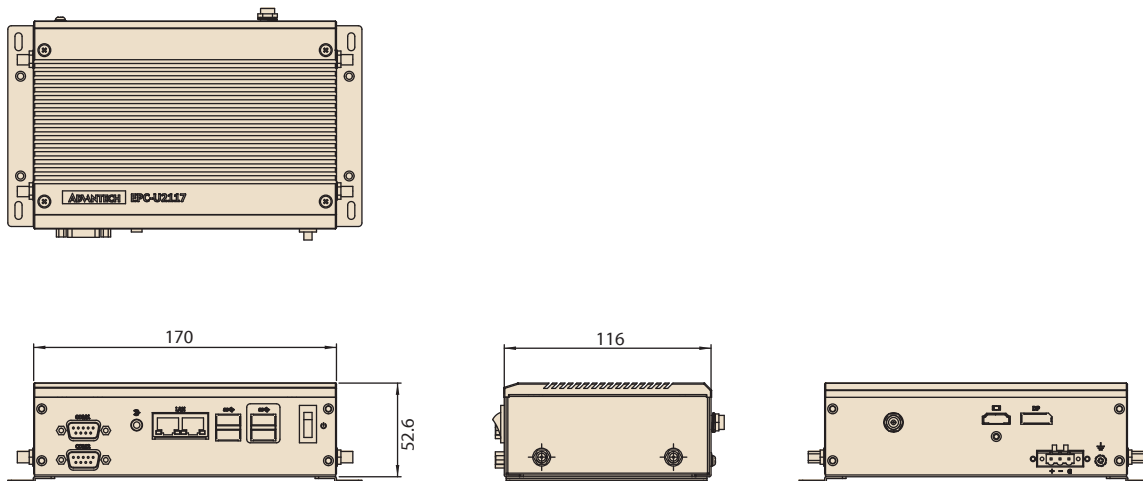
CE FCC RoHS

Specifications

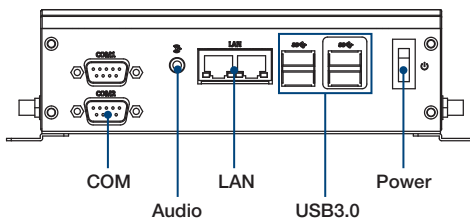
EPC-U2117		
Processor System	CPU	Intel Apollo Lake Atom series Processor
	L2 Cache	2MB
	BIOS	AMI EFI 16 Mbit
Memory	Technology	Dual channel DDR3L 1867MHz, up to 8GB
	Socket	One 204-pin SO-DIMM
Graphics	Chipset	Intel Apollo Lake E3900 Series SoC
	Interface	HDMI: 1, max resolution up to 3840 x 2160 @ 30Hz DP1.2: 1, max resolution up to 4096 x 2160 @ 60Hz
Ethernet	Support Dual 10/100/1000Mbps	
	LAN	LAN1 & 2: Realtek RTL8111G
I/O Interface	Serial Ports	1 x RS-232 with 5v/12v, 1 x RS-422/485
	USB Interface	4 USB3.0 port
	SATA	1 SATA interface, support 7" SSD & HDD
	TPM	Infineon SLB9665 chip onboard. Support TPM2.0 (Option)
	CANbus	3pin phoenix connector
Expansion	1 x Full-Size Mini PCIe support USB 2.0/SATA	
	1 x M.2 E key support Wi-Fi module	
Storage	2.5" SSD	1 x SATA II SSD bay
	mSATA	1, co-lay with F/S miniPCIE slot
	eMMC	1 x Maximum 128G onboard eMMC
Power Requirement	Power Input Voltage	12 ~ 24 V
	Power Adaptor	AC to DC, DC12 ~ 24 V
Power Consumption	Typical	12V@0.655A
	Max	12V@0.987A
	Power Type	AT/ATX by Jumper option
Mechanical	Construction	Aluminum
	Mounting	Support VESA/DIN Rail/Wall Mount (Optional)
	Dimensions (W x H x D)	Chassis: 170 (L) x 117 (W) x 52.6 mm (H) Motherboard: 112 x 117 mm
Environmental and Certifications	Operating Temperature	-20 ~ 60 °C (with RF module)
	Storage Temperature	-40 ~ 85 °C
	Relative Humidity	95% @ 40 °C (non-condensing)
	Vibration During Operation	With SSD: 3Grms, 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
	Shock During Operation	With SSD: 30G, IEC 60068-2-27, half sine, 11ms duration
	EMC	CE/FCC Class B
	Safety Certifications	CCC, BSMI

Dimensions

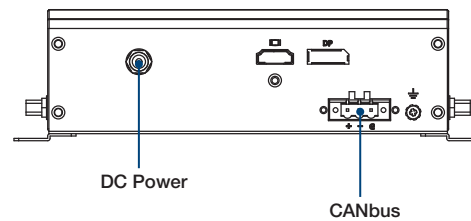
Unit: mm [inch]



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

P/N	Description	Memory	Storage				TPM
			eMMC	SATA	F/S MiniPCIe	mSATA	
EPC-U2117E3W-03Y00	Emb EPC-U2117 E3930 w/4G RAM	4GB	NA	NA	NA	NA	NA
EPC-U2117E3W-03Y10	Emb EPC-U2117 E3930 w/4G RAM/32G eMMC	4GB	32GB	NA	NA	NA	NA
EPC-U2117E3W-03Y20	Emb EPC-U2117 E3930 w/4G RAM/64G eMMC	4GB	64GB	NA	NA	NA	NA
EPC-U2117E3W-03Y30	Emb EPC-U2117 E3930 w/4G RAM/128G eMMC	4GB	128GB	NA	NA	NA	NA

Packing List

Part Number	Description
Add 96PSA-A36W12W7	ADP A/D 100-240V 36W 12V WO/PFC

Optional Items

Part Number	Description
1700001524	Power Cable 3-pin 180cm, USA type (For power adapter 1757004096-01)
170203183C	Power Cable 3-pin 180cm, Europe type (For power adapter 1757004096-01)
170203180A	Power Cable 3-pin 180cm, UK type (For power adapter 1757004096-01)
1700008921	Power Cable 3-pin PSE Mark 183cm (For power adapter 1757004096-01)
1702002600-01	Power cable 3-pin 183 cm, USA type (For power adapter 1757004522-01)
1700018705	Power cable 3-pin 183 cm, Europe type (For power adapter 1757004522-01)
1700018704	Power cable 3-pin 183 cm, UK type (For power adapter 1757004522-01)
1700000237-01	Power cable 3-pin 183 cm, PSE type (For power adapter 1757004522-01)

Mouser Electronics

Authorized Distributor

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[EPC-U2117E3W-03Y10](#) [EPC-U2117E3W-03Y20](#)