

EPC-U3233

Intel 8th Gen U Series Palm-sized Fanless System



Features

- Equip powerful 8th-Gen Intel® Core™ i processor
- Palm-sized chassis design (180 x 116.7 x 66mm)
- Diverse system I/O: 4 x COM, 4 x USB, 2 x HDMI, 2 x GbE LAN, 16-bit GPIO
- 3 x M.2 expansion slots (1 x 2230 E-key, 1 x 2242/3042 B-Key, 1 x 2280 M-key) for edge AI capability
- Win10 IoT, Linux Ubuntu 20.04 OS, Yocto BSP 3.0 compatible
- Optimized mechanical design for rapid expansion configuration.
- Pre-installed Advantech DeviceOn software for remote monitoring and management



Windows 10 yocto PROJECT



CE FCC

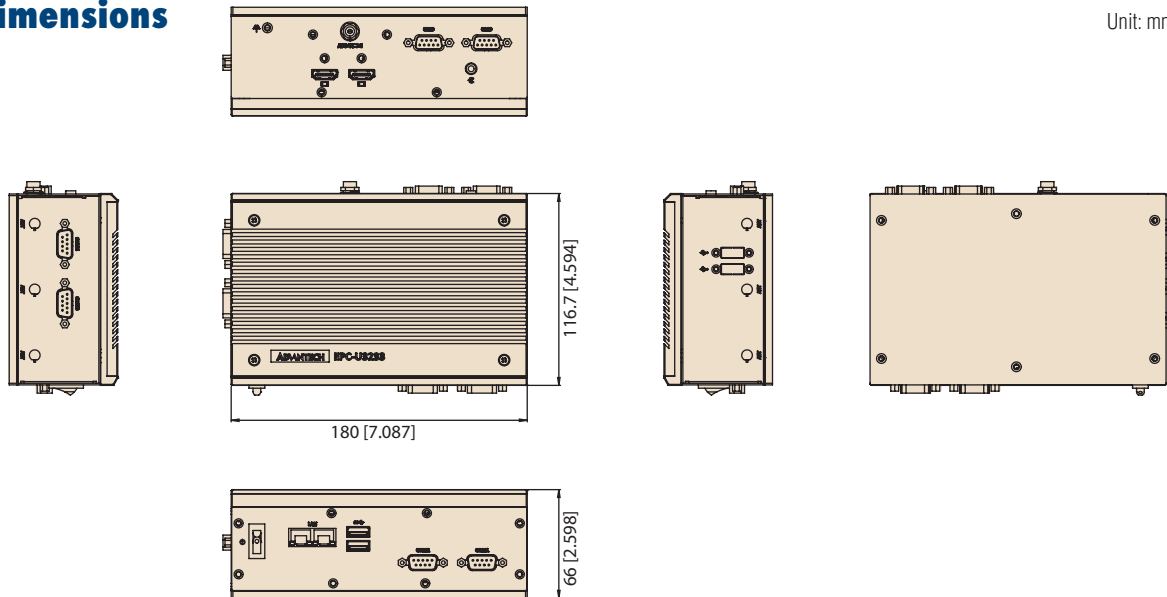


Specifications

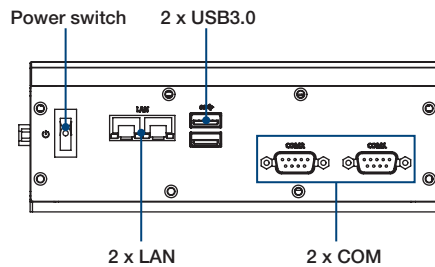
CPU	Model	i7-8665UE	i5-8365UE	i3-8145UE	Celeron 4305UE
	Max Turbo Frequency	4.40 GHz	4.10 GHz	3.90 GHz	2.00GHz
	Base Frequency	1.70 GHz	1.60 GHz	2.20 GHz	2.00GHz
	vPro® Platform Eligibility	Yes	Yes	No	No
Graphic	Chipset	Intel® UHD Graphics 620			Intel® UHD Graphics 610
	Max Dynamic Frequency	1.15 GHz	1.05 GHz	1.00 GHz	1.00 GHz
Memory	Socket	1 x DDR4-2400 SO-DIMM (260-Pin)			
	Max Capacity	32GB			
Storage	M.2 2280 slot	1 x M-Key, support PCIe Gen3 x4 SSD, SATA III SSD			
	M.2 2242/3042 slot	1 x B-Key, support PCIe Gen3 x2 SSD, SATA III SSD			
	M.2 2230 slot	1 x E-Key, support PCIe Gen3 x2 SSD			
Front Panel	COM	2 x COM1 (RS-232), COM2 (RS-232/422/485)			
	LAN	2 x RJ45 GbE (i210 & i219)			
	USB	2 x USB3.0 Type A			
	Power Switch	1 x			
Rear Panel	HDMI	2 x HDMI1.4 (3840 x 2160 Resolution)			
	GPIO	2 x DE-9 (Total 16 bit)			
	DC jack	1 x 2.5Ø			
	Audio Jack	1 x Line-out (ALC 888S-VD2-GR)			
	Ground	1 x			
Right Panel	USB	2 x USB2.0 Type A			
Left Panel	COM	2 x COM3 (RS-232), COM4 (RS-232/422/485)			
Internal Expansion Slot	M.2 2242/3042 slot	1 x B-Key PCIe x2, USB 2.0, SATA co-layout			
	M.2 2230 slot	1 x E-Key, PCIe x2, USB 2.0 co-lay, support WiFi/ BT or Movidius modules			
	SIM slot	1 x Nano SIM type			
Power Requirement	Power Voltage	12V~24V DC-in			
Environment	Operating temperature	0 ~ 50 °C			
	Storage temperature	-40 ~ 85 °C			
Certification	EMC	CE, FCC, CE (RED)			
	Safety	CB, UL, BSMI, CCC			
Accessory	Mounting kit	Wall mount bracket (Default, in accessory box), VESA mount (Optional), DIN-Rail (Optional)			
	Adapter	60W 12V DC-in (Default, in accessory box)			
Mechanical	Dimension (W x D x H)	170 x 116.7 x 66 mm (7.09" x 4.59" x 2.60")			
	NET weight	1.9 kg (4.19 lbs)			
Advanced Feature	TPM	TPM 2.0			
	OS support	Win10 IoT, Ubuntu 20.04, Yocto 3.0 BSP (Please contact local salesperson)			

Dimensions

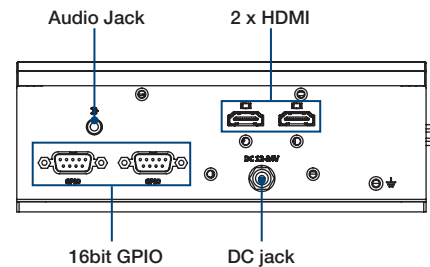
Unit: mm [inch]



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Order Information

Part Number	CPU	DRAM	SSD	OS	WiFi module	COM port Qty'	Adapter
EPC-U32337B-00Y1E	i7-8665UE	None	None	None	N/A	4	None
EPC-U32335B-00Y1E	i5-8365UE	None	None	None	N/A	4	None
EPC-U32333B-00Y1E	i3-8145UE	None	None	None	N/A	4	None
EPC-U3233CB-00Y1E	Celeron 4305UE	None	None	None	N/A	4	None
EPC-U3233-WR054S0	i5-8365UE	8GB	M.2 2280 NVMe 128GB	Win10 IoT	Yes (w/ EWM-W192K2)	2	60W
EPC-U3233-WF054S0	i5-8365UE	8GB	M.2 2280 NVMe 128GB	Ubuntu 20.04	N/A	4	60W

Optional Accessory

Part Number	Description
96PSA-A60W12W7-3	ADP A/D 100-240V 60W 12V C14 LOCKABLE DC PLUG
1702002600	Power cable 3-pin 183 cm, USA type
1702002605	Power cable 3-pin 183 cm, Europe type
1700018704	Power cable 3-pin 183 cm, UK type
1700000237	Power cable 3-pin 183 cm, PSE type
1700000596	Power cable 3-pin 183 cm, CCC type
1700001714	Power cable 3-pin 183 cm, BSMI type

OS Information

OS Type	Part Number	Remark
Win10 IoT (High End)	20706WX9HS0106	For Core i7
Win10 IoT (Value)	20706WX9VS0110	For Core i5, i3
Ubuntu 20.04	20706U20DS0004	

Mounting Kit

Part Number	Description
EPC-BRKU-DM010	EPC-U3233 Din Rail mounting kit
EPC-BRKU-VM010	EPC-U3233 VESA mounting kit