

EBS-P310W

BOX PC , 2.5" SBC (Pico-ITX) 6 - 12W Amston Lake, LPDDR5 16GB on board ,HDMI, DP, LVDS/eDP, Dual-LAN, 9-36V DC

Features

- Extreme Light BOX PC, Easy to Adapt Everywhere
- Wide-temperature & fanless design for rugged environments
- Supports 2x 2.5GbE Ethernet for various data transmission
- Pre-drilled holes for antenna, with Wall Mount & DIN-Rail Kit options
- Excellent expandability with essential I/O ports on front and back bezels



Specifications

System CPU	CPU	Atom, x7211RE	Atom, x7433RE	Atom, x7835RE
	Max. Frequency	3.2 GHz	3.4 GHz	3.6 GHz
	Base Frequency	1.0 GHz	1.5 GHz	1.3GHz
	Core/Tread	2/2	4/4	8/8
	CPU TDP	6W	9W	12W
Memory	Technology	LPDDR5 4800	LPDDR5 4800	LPDDR5 4800
	Max.	16 GB	16 GB	16 GB
Storage	EMMC	128 GB	128 GB	128GB
	M.2 B Key	1 x M.2 2242 B Key Socket		
External Interfaces	Video	1 x HDMI 1.4 , 1 x DP ++ 1.4		
	Ethernet	2 x Intel® I226-IT (2.5 Gbe)		
	USB	2 x USB 3.2; 2 x USB 2.0		
	COM	2 x RS232/422/485		
Expansion Slot	M.2	1 x 2230 M.2 E key for WIFI/BT device		
		1 x 2242 M.2 B Key (Support SATA /PCIe Storage) / Nano-SIM		
Power	Power	9V-36V DC Input		
Mechanical	Construction	Aluminum housing		
	Mounting	DIN-rail/Wall Mount		
	Dimensions	123 x 81 x 43 mm		
OS & Software Support	Microsoft Windows	Windows® 10 (64bit) / Windows® IoT enterprise/ Windows 11 IoT enterprise		
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE		
	ASUS IoT Suite	☒ HW Monitor ☒ Power Scheduling ☒ Fan Control ☒ Watch Dog Timer ☒ GPIO ☒ I2C ☒ Linux GPIO Sample code		
	User Interfaces	☒ API ☒ GUI		
	Operating Temp.	-40 ~60° C		
Environment	Storage Temp.	-40~85° C		
	Relative Humidity	Operational humidity: 40°C@10%~95%		
Certification	EMC ,Safety	CE, FCC		

Front I/O



Rear I/O



Packing List

Item	Description	QTY
Wall Mount Kit	EBS-P310W Wall Mount Kit	1

Optional Accessories

Item	Description	QTY
Adapter	ADP 90W 12V Lockable	1
Wi-Fi Module	802.11A/B/G/N/AC+BT5.0(2*2)M.2 2230	1
Wi-Fi RF Cable	RF CABLE ASSEMBLY SMA/MHF4 190MM	2
Wi-Fi Antenna	DIPOLE ANTENNA//INPAQ/DAM-L14-K1-N0-000-04-02	2
Power Cord	Power Cord 180cm with TW, US, EU, CN, JP, AU, UK, KR, CH	1
CANBUS Module	B KEY CANBUS 2.0B	1
Storage Module	B KEY 256 GB /128 GB	1
Din Rail Kit	EBS-P310W Din Rail Kit	2