

# EBS-S110W

Intel® Atom® X7000RE Series, DDR5 SO-DIMM, 5G, LTE, WiFi 5/6/6E DP, HDMI, Dual-LAN, Multiple COM, USB3.2, M.2, SATA 3.0, TPM

## Features

- Intel® Amston Lake SoC, Low Power Consumption 6-12W TDP
- DDR5 4800 Mhz max. 16G, In-Band ECC
- Expansion capabilities of M.2 E Key, B Key and M Key
- Rich I/O of 6 serial ports and 6 USB ports
- Wide Range Power input: 9-36V
- Wide operating temperature -20~ 60°C



## Specifications

System	CPU	Intel® Atom® X7211RE	Intel® Atom® X7213RE	Intel®Atom® X7433RE	Intel®Atom® x7835RE
	TDP	6W	9W	9W	12W
# of Cores	2	2	4	8	
Base Freq	1.0 GHz	2.0 GHz	1.5 GHz	1.3GHz	
Max Turbo Freq.	3.2 GHz	3.4 GHz	3.4 GHz	3.6 GHz	
Memory	Technology	DDR5 4800 Mhz, In-Band ECC (IBECC)			
	Max.	16GB			
	Socket	SO-DIMM			
External Interfaces	Display Port	1 x HDMI 2.0, supports up to 4K x 2K @ 60 Hz 1 x DP1.4 supports up to 4096 x 2304 @ 60 Hz			
	Ethernet	1x Intel i1210IT: 10/100/1000 Mbps (1GbE) 1x Intel i226IT: 10/100/1000 Mbps/(2.5GbE)			
	USB	4 x USB 3.2, type A 2 x USB 2.0, type A			
	Audio	1 x Mic-in, phone jack 1 x Line-out, phone jack/ Headphone out			
	COM	4 x COM: RS-232 2 x COM: RS-232/422/485			
	GPIO	1 x 8bit GPIO (COM 4)			
Storage	SATA	1 x SATA Gen 3.0 connector supports 2.5" SSD			
Expansion Slot	M.2 B key	1x M.2 3042/3052 B key for 4G/5G (PCIe/USB2.0/USB3.0)			
	M.2 E key	1 x M.2 2230 E key socket (USB2.0/PCIe) supports TPU/ WiFi /BT module			
	M.2 M key	1 x M.2 2242/2280 M key socket (SATA/PCIEx1) supports M.2 SSD up to 512GB			
	SIM	1 x nano-SIM slot (on-board)			
Power	Power	9 to 36V DC			
Mechanical	Mounting	Wall mount/ VESA mount/Din Rail (optional)			
	Dimensions	186 x 135 x 82(mm)			
	Weight	1.87kg			
Security	TPM	Intel® PTT support INFINEON, SPI TPM MODULE (optional)			
System	OS	Windows 10 IoT Enterprise LTSC /Windows 11 IoT Enterprise LTSC/Ubuntu			
	Watchdog Timer	Yes			
Environment	Operating Temp.	-20~ 60°C			
	Relative Humidity	10 to 95% (non-condensing)			
	EMC	CE, FCC ,VCCI, BSMI, RCM			
	Safety	CB, CE-LVD, BSMI			
	Green	GA (RoHS)			

## Front I/O



## Rear I/O



## w/5G Antenna



## w/LTE & WiFi Antenna



## Order Information

Model name	Part number	Description
EBS-S110W	90AE01S*	SoC X7211RE X7213RE X7433RE X7835RE

\* The part number might vary for different regulations and package. Please consult the TPM in your region for exact 90PN.

## Packing List (optional)

Part number	Description	Quantity
0A001*	90W 12V ADP	1
14009*	AC Power cord	1

\* The part number might vary due to part number revision.