

Compact Fanless Edge Computer for Industrial AI



ASUS IoT EBS-S110W Fanless Embedded Edge Computer

ASUS × **intel ai**

Rugged Intel Atom® Processor with DDR5, Dual LAN, and Wide-Temp

The ASUS IoT EBS-S110W is a fanless embedded edge computer engineered for industrial and IoT applications, delivering reliable performance with minimal power consumption. Powered by Intel Atom® X7000RE Series SoC with DDR5 memory, it enables dual 4K displays via DP and HDMI, robust connectivity with dual LAN ports (2.5 GbE & 1 GbE), and flexible expansion via multiple M.2 slots.

Built for demanding environments, the EBS-S110W operates from -20°C to 60°C with a wide 9–36V power input. Its rich I/O—including 6 COM ports, 6 USB ports, and multiple M.2 slots—supports diverse AIoT workloads such as industrial automation, smart retail, and smart cities. Intel® Deep Learning Boost and Intel® Advanced Vector Extensions 2 accelerate AI processing, offering a compact, efficient, and versatile edge computing solution unmatched by traditional embedded systems.

***Fanless embedded
edge computer
with Intel Atom®
X7000RE, DDR5,
dual 4K display,
AI acceleration,
and wide I/O for
industrial IoT
applications***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel Atom®
Processors

Intel® Deep Learning Boost (Intel® DL Boost)

Intel® Advanced Vector Extensions 2 (Intel® AVX2)

Key Features

Empowered by Intel.



Low-Power
Fanless Design



Dual LAN



Dual-Display



Rugged &
Wide-Temp
Operation

ASUS EBS-S110W



Product Specifications

CPU	Intel Atom® X7211RE 6W 3.2 GHz; Intel Atom® X7213RE 9W 3.4 GHz; Intel Atom® X7433RE 9W 3.4 GHz; Intel Atom® x7835RE 12W 3.6 GHz
Graphics	Intel® Graphics
Memory	DDR5 4800 Mhz, In-Band ECC (IB ECC) 16GB SO-DIMM
Storage	1 x SATA Gen 3.0 connector supports 2.5" SSD
Wireless Network	1 x M.2 2230 E key socket (USB2.0/PCIe) supports TPU/ WiFi /BT module, Wi-Fi 5/6/6E 1x M.2 3042/3052 B key for LTE/5G (PCIe/USB2.0/USB3.0)
LAN	Rich I/O with 6 COM, 6 USB and Dual LAN (2.5GbE & 1GbE)
Operating / Storage Temp.	-20~ 60°C
Dimension (W x D x H)	186mm x 135mm x 82mm
Weight	1.87 kg
OS	Windows 10 IoT Enterprise LTSC / Windows 11 IoT Enterprise LTSC/ Linux Ubuntu

Learn More

[ASUS EBS-S110W](#)

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