

# ASUS IoT EBS-P300W

Extremely lightweight and fanless embedded computer with Intel® Atom® processor for harsh environments

## Features

- Intel® Atom® CPU
- LPDDR4x-3733 SODIMM, up to 8GB
- Supports 2.5GbE & 1GbE Ethernet
- 2x GbE, 2x USB and 2x COM ports
- Operating temperature: 0 ° ~ 60 °C



## ASUS IoT EBS-P300W: The ultimate PICO-ITX motherboard for industrial applications

The EBS-P300W PICO-ITX motherboard from ASUS IoT is equipped with the Intel® Atom® x6000E Series processor and is suitable for various applications due to its fanless design. It has 8GB LPDDR4x-3733 on-board memory and offers up to 128GB EMMC memory. In addition, it can drive independent displays with a resolution of up to 4Kp60 via two HDMI ports

### Versatile connectivity and expandability

Designed to meet the requirements of industrial I/O, the ASUS IoT EBS-P300W offers a wide voltage range of 12 ~ 24V and two GbE LAN ports that support speeds of up to 2.5GbE. In addition, it has M.2 B-Key and M.2 E-Key expansion slots that allow customers to expand its capabilities through module connections. This set of features makes the ASUS IoT EBS-P300W an excellent choice for various smaller IIoT (Industrial Internet of Things), loRT (Internet of Robotic Things) and loMT (Internet of Medical Things) applications.

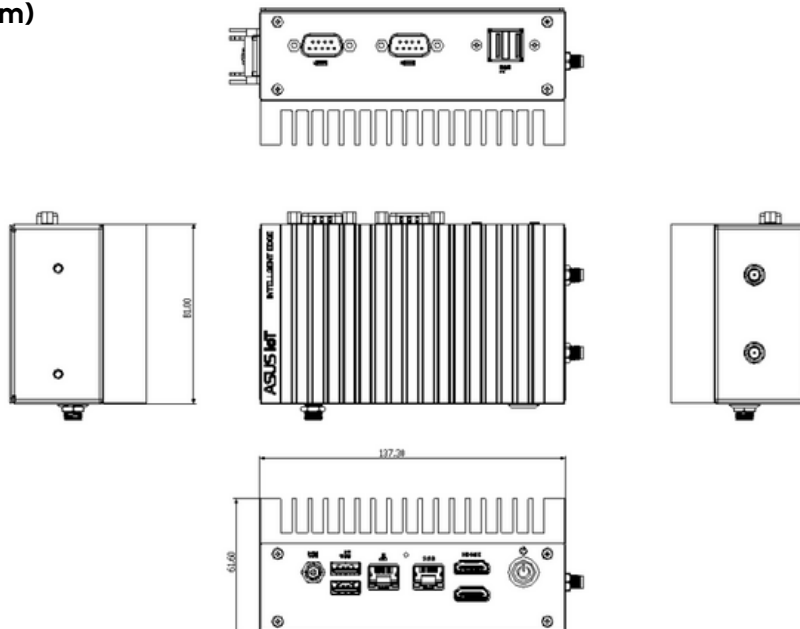
## Front I/O



## Rear I/O



## Dimensions (mm)



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Specifications	ASUS IoT EBS-P300W
<b>SYSTEM</b>	
CPU	Supporting Intel® Atom® CPUs – Intel® Atom® x621IE – Intel® Atom® x6413E – Intel® Atom® x6425E – Intel® Atom® x6425RE
RAM	Up to 8 GB LPDDR4x-3733 (one SODIMM slot)
TPM	TPM2.0 Integrated TPM Infineon SLB 96xx (optional)
Storage	1x M.2 2242 B-Key for eMMC up to 128GB
Expansion	1x M.2 2230 E-Key for Wi-Fi/BT device 1x M.2 2242 B-Key supports SATA storage
Operating System	Windows 10 64bit Windows IoT Enterprise Ubuntu RedHat Enterprise Fedora Workstation OpenSUSE
ASUS IoT Suite	HW Monitor Power Scheduling Fan control Watch Dog Timer GPIO I2C Linux GPIO example code
User Interface	API GUI
<b>INTERFACE</b>	
Ethernet	1x Gigabit Ethernet port by Intel® I226-IT 2.5GbE 1x Gigabit Ethernet port by Intel® I210-IT 1GbE
USB	2x USB 3.2 ports
COM	2x COM: RS-232/ 422/ 485 port
Video	1x HDMI 2.0 port 1x HDMI 1.4 port
GPIO	1x Header (8-bit)
<b>ENVIRONMENTAL</b>	
Power Supply	DC input: 12 to 24V DC
Operating Temperature	0° ~ 60°C
Storage Temperature	-40° ~ 85°C
Humidity	40°C @ 10 ~ 95% in operating mode
Dimensions	137 (W) x 81 (D) x 61 (H) mm
Weight	TBA
Mounting	DIN-Rail Wall-mount
Certifications	CE, FCC, Class B

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Ordering Information	ASUS IoT EBS-P300W
<b>PACKING LIST</b>	
Wall-mount kit	EBS-P300W Wall Mount Kit
<b>OPTIONAL ACCESSORIES</b>	
Adapter	ADP 90W 12V Lockable
Wi-Fi Module	802.11A/B/G/N/AC+BT5.0(2*2)M.2 2230
Wi-Fi RF Cable	2x RF cable assembly SMA/MHF4 190mm
Wi-Fi Antenna	2x Dipole antenna/Inpaq/DAM-L14-K1-N0-000-04-02
Power cord	Power Cord 180cm with TW, US, EU, CN, JP, AU, UK, KR, CH
CANbus Module	B-Key CANbus 2.0B
Storage Module	B-Key 256GB/128GB
DIN-Rail kit	2x EBS-P300W DIN-Rail kit