ASUS IoT EBS-P300

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

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Features

- Intel® Celeron® CPU
- LPDDR4x-3733 SODIMM, up to 8GB
- Supports 2.5GbE & 1GbE Ethernet
- 2x GbE, 2x USB and 2x COM ports
- Operating temperature: -20 ° ~ 60 °C

ASUS IoT EBS-P300 – Compact and lightweight box PC for demanding applications

The ASUS IoT EBS-P300 is an outstanding box PC that combines extreme lightness and extreme adaptability. With its robust design and versatility, it is ideal for use in demanding environments.

Reliable and adaptable
The ASUS IoT EBS-P300 offers a range of outstanding features that make it an ideal choice for industrial applications. Thanks to its fanless design and ability to handle a wide range of temperatures, it is perfect for use in harsh environments. With support for 2.5GbE and 1Gbe Ethernet, it offers various options for fast and reliable data transmission.

In addition, the ASUS IoT EBS-P300 offers versatile mounting options with pre-drilled holes for antennas as well as optional kits for wall mounting and DIN rails. Its excellent expandability with essential I/O ports on the front and back of the panel allows for easy integration with other devices and peripherals.

Compact power package in a robust design
With integrated TPM 2.0, the ASUS IoT EBS-P300 provides additional security for sensitive data and applications. Powered by an Intel® Celeron® J6412 processor, it offers the performance and reliability required for demanding applications.

Front I/O

Rear I/O

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Specifications	ASUS IoT EBS-P300
SYSTEM	
CPU	Supporting Intel® Celeron® J6412 CPU
RAM	Up to 8 GB LPDDR4x-3733 (one SODIMM slot)
TPM	TPM2.0 Integrated TPM Infineon SLB 96xx
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
INTERFACE	
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
ENVIRONMENTAL	
Power Supply	DC input: 12 to 24V DC
Operating Temperature	-20° ~ 60°C
Humidity	40°C @ 10 ~ 95% in operating mode
Dimensions	137 (W) x 81 (D) x 40 (H) mm
Weight	TBA
Mounting	DIN-Rail Wall-mount
Certifications	CE, FCC, CCC, BSMI

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Ordering Information	ASUS IoT EBS-P300
PACKING LIST	
Wall-mount kit	EBS-P300 Wall Mount Kit
OPTIONAL ACCESSORIES	
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-P300 DIN-Rail kit