

# EBS-S300W

BOX PC, Fanless, For 3.5" SBC, Intel® Atom® Processor, DDR4, DP, HDMI, LVDS, Dual-LAN, 9-36V DC-in put

## Features

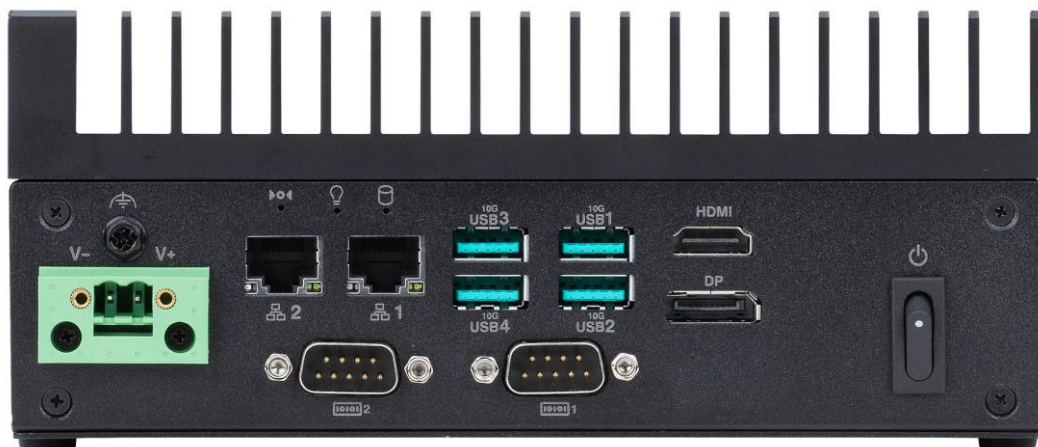
- Compact box and fanless design for industrial environment
- Rich I/O and Expansion Capabilities 6 COM and 6 USB
- Standard operating temperature
- Wide Voltage design 9-36V



## Specifications

| Processor System    | CPU               | Atom® x6425E                                                                                    | Atom® x6413E | Atom® x6211E |
|---------------------|-------------------|-------------------------------------------------------------------------------------------------|--------------|--------------|
|                     | TDP               | 12W                                                                                             | 9W           | 6W           |
|                     | # of Cores        | 4                                                                                               | 4            | 2            |
|                     | Base Freq.        | 2.0 GHz                                                                                         | 1.5 GHz      | 1.3 GHz      |
|                     | Max Turbo Freq.   | 3.0 GHz                                                                                         | 3.0 GHz      | 3.0 GHz      |
|                     | Memory            | 1 x SO DIMM, DDR4 3200 MHz, supports up to 32GB                                                 |              |              |
| External Interfaces | Display Port      | 1 x HDMI 2.0, supports up to 4K x 2K @ 60 Hz<br>1 x DP++1.2, supports up to 4096 x 2160 @ 60 Hz |              |              |
|                     | Ethernet          | 2 x 1Gbps/100Mbps/10Mbps GbE port, RJ45 (Intel i210-IT)                                         |              |              |
|                     | USB               | 4 x USB 3.2 Gen2, type A<br>2 x USB 2.0, type A                                                 |              |              |
|                     | Audio             | 1 (Line-Out, Mic-in)                                                                            |              |              |
|                     | COM               | 2 x COM: RS232/422/485<br>4 x COM: RS232                                                        |              |              |
|                     |                   |                                                                                                 |              |              |
| Storage             | SATA              | 1 x SATA Gen 3.0, up to 6Gb/s                                                                   |              |              |
| Expansion Slot      | M.2               | 1 x M.2 2230 E key (USB2.0, PCIe) supports Wi-Fi/BT module                                      |              |              |
|                     |                   | 1 x M.2 2280 M key (SATA, PCIe) supports M.2 SSD/PCIe mode                                      |              |              |
|                     |                   | 1 x M.2 3042/3052 B key (USB 2.0) supports LTE                                                  |              |              |
| Power               | Power connector   | Phoenix connector (2-pin)                                                                       |              |              |
|                     | Voltage           | 9 to 36V DC                                                                                     |              |              |
| Mechanical          | Mounting          | Wall mount/VESA mount (optional)                                                                |              |              |
|                     | Dimensions        | 186 x 135 x 80 mm                                                                               |              |              |
|                     | Weight            | 2.9 kg                                                                                          |              |              |
| Security            | TPM               | Support PTT<br>TPM v2.0 powered by Nuvoton NCPT 750 (optional)                                  |              |              |
| System              | OS                | Windows 10 IoT Enterprise/Ubuntu                                                                |              |              |
|                     | Watchdog Timer    | Yes (sw)                                                                                        |              |              |
| Environment         | Operating Temp.   | Standard: 0~60°C, Extended: -40~60°C                                                            |              |              |
|                     | Storage Temp.     | -40~85°C                                                                                        |              |              |
|                     | Relative Humidity | 10 to 95% (non condensing)                                                                      |              |              |
| Certification       | Safety            | CB, CE-LVD, BSMI                                                                                |              |              |
|                     | EMC               | CE (ITE), FCC, VCCI, BSMI                                                                       |              |              |
|                     | Green             | GA (RoHS)                                                                                       |              |              |

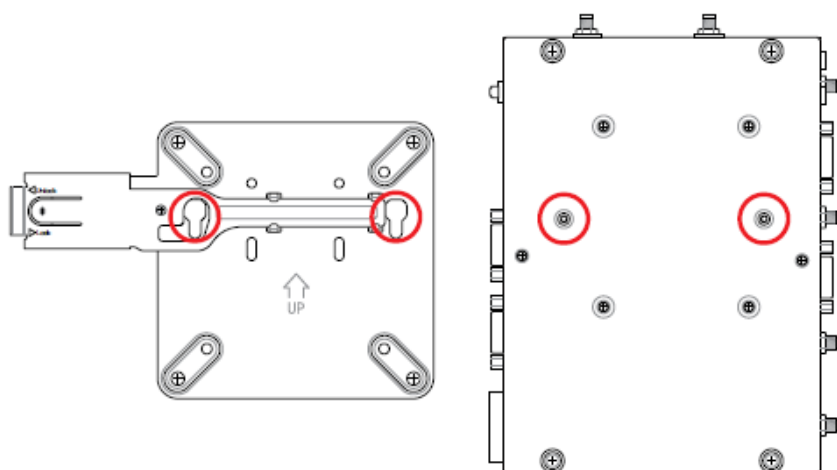
## Front I/O



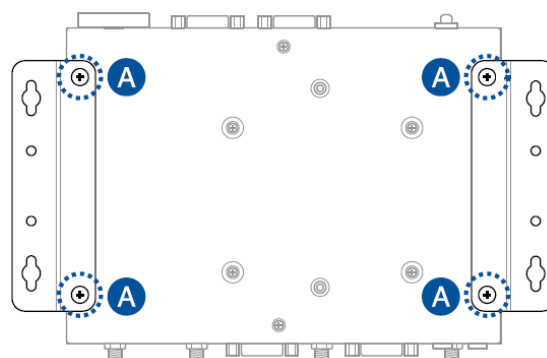
## Rear I/O



## VESA Mount



## Wall Mount



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