# ABOX-E500

## Low power & Ultra slim industrial box computer

Intel Celeron J1900 low power processors, multiple expansion I/O design

## Specification

V2.0

## Key features:

- Intel® Baytrail J1900 low power quad-core processors;
- Integrated 2x Intel GLAN, support jumbo frame;
- 2x COM ports, support 1x RS485;
- 2x Display ports, 5x USB ports;
- Extreme slim design for embedded environment;
- Support WIFI/4G wireless expansion;
- DC 12~28v wide voltage power input support.

## Product Image



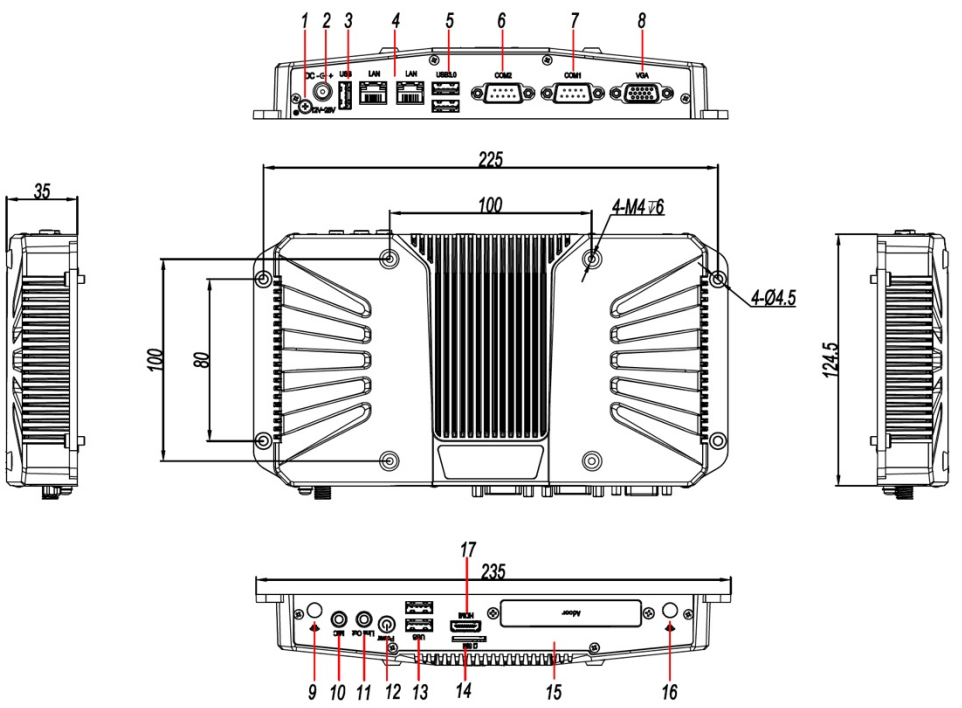



# Technical Data

| | |
|---|---|
| **System** | |
| Processor | Intel® Celeron Baytrail J1900, Quad-core, 2.0Ghz CPU, TDP=10W (fan-less) |
| | SoC |
| | AMI SPI 64Mb, support ACPI, CPU temperature, system voltage monitoring |
| Memory | On-board 4G DDR3L-1600 Mhz |
| Storage | 1x 2.5″ SATA + 1x mSATA |
| Display | CPU integrated Intel® HD Graphics, support DirectX11 |
| | 1 x HDMI (Max. support resolution: 1920 x 1200, @30Hz) |
| | 1 x VGA (Max. support resolution: 2048x1536) |
| Network | 2 x Intel® I210-AT for 1000 Mbps |
| | 1 x Mini-PCIE (Half/ full, support 802.11b/g/n, 3G/4G, optional) |
| Audio | Realtek ALC662VD |
| | 1 x Mic-in + 1 x Audio-out |
| I/O | 3 x USB 3.0 + 2x USB2.0 |
| | 2 x DB9 RS232 (COM1 support RS485, photoelectric isolation) |
| Expansion I/O | 1x Internal USB2.0 (Optional) |
| | 8 x GPIO（4 IN 4 OUT，DI low level, DO high level） |
| | 1x Mini-PCIe for Wireless expansion |
| Power | DC |
| | Coaxial power outlet |
| | Default 12V 5A adapter, (DC 12~28V wide voltage power input) |
| LED/Switch | 1 x power on button （including status LED light） |
| Watchdog | Programmable 255 seconds |
| OS | Windows 7/8.1/10, windows embedded, Linux |
| **Structure** | |
| Box structure | Whole machine die-casting molding |
| Treatment | Spray-paint |
| Color | industrial grey color |
| Cooling | Fan-less design |
| Weight | 1.1kg |
| Dimension | 235mm(L) x 124.5mm(W) x 35mm(H) |
| Mounting | Desktop, wall mount, VESA mount (100 x 100mm) |
| **Environmental** | |
| Operation temp. | Operating temp. -20°C ~ + 60°C (industrial SSD) |
| Storage | Storage temp.: -40°C ~ +80°C |
| Humidity | 10%~90%@40°C (non-condensation) |
| Vibration | SSD：3Grms@5~500Hz，random，1 hr/axis； |
| Shock | 10G/peak (11ms sec) |


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# Dimension & Interface




# Ordering Information

| Part no. | Description |
|---|---|
| ABOX-E500 | Intel Baytrail J1900 processors, 4G memory, 2*GLAN, 5*USB, 2*COM, 1*HDMI, 1*VGA, DC 12~28V, PSU |

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Industrial Computers

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