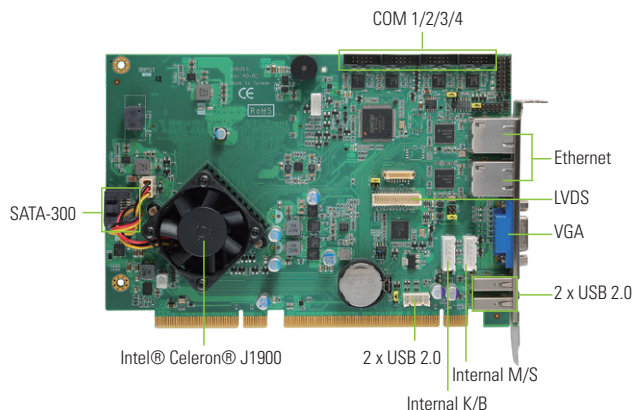


# SHB215 NEW

PICMG 1.3 Half-size CPU Card with Intel® Celeron® Processor J1900 (up to 2.42 GHz), SATA2, CFast™, VGA/LVDS and Dual LANs

## Features

- Intel® Celeron® processor J1900 up to 2.42 GHz
- 1 DDR3L-1333/1600 SO-DIMM for up to 8GB
- VGA and LVDS with dual-view supported
- 1 CFast™ socket onboard



## Core System

|                     |  |
|---------------------|--|
| CPU                 | Intel® Celeron® processor J1900 (up to 2.42 GHz)                                       |
| System Memory       | 1 x 204-pin DDR3L-1333/1600 SO-DIMM, up to 8GB   |
| Chipset             | SoC Integrated   |
| BIOS                | AMI  |
| SSD                 | 1 x CFast™   |
| Watchdog Timer      | 225 levels, 1 to 255 sec.  |
| Expansion Interface | 1 x PCIe x16<br>1 x PCIe x4 or 2 PCIe x1   |
| Battery             | Lithium 3v/220 mAh   |
| Power Requirements  | Intel® Celeron® processor J1900, 2GB DDR3L<br>+5V @ 1.69A, +12V @ 2.01A, +3.3V @ 1.87A |
| Size                | 185 x 126 mm   |
| Board Thickness     | 1.6 mm   |
| Temperature         | 0°C to +60°C (+32°F to +140°F), operation  |
| Operation Humidity  | 10% - 95% relative humidity, non-condensing  |

## I/O

|                     |   |
|---------------------|---|
| MIO                 | 4 x RS-232/422/485 (COM 1/2/3/4)<br>1 x PS2 keyboard & mouse                            |
| RIO                 | 2 x RJ-45<br>2 x USB 2.0<br>1 x VGA   |
| SATA                | 1 x SATA-300  |
| Hardware Monitoring | Detect CPU/system temperature, voltage and support Smart Fan control                    |
| Ethernet            | 2 x 10/100/1000 Mbps Ethernet with Intel® I210-AT;<br>support Wake-on-LAN, PXE Boot ROM |
| Audio               | N/A   |
| USB                 | 4 x USB 2.0   |
| DIO                 | N/A   |
| SMBus               | System Management Bus for advanced monitoring/control                                   |

## Display

|                   |   |
|-------------------|---|
| Chipset           | Intel® HD Graphics                                |
| Memory Size       | Intel® DVMIT                                      |
| Display Interface | 1 x VGA connector<br>1 x LVDS 24-bit dual channel |

## Packing List

### Standard

Quick installation guide, user's manual/utility CD, cable

### Cable

| Part Number  | Description                                   | Qty |
|--------------|---|-----|
| 59382620000E | COM Port Cable w/ bracket, P=2.0 mm, L=300 mm | 1   |
| 593826A0000E | SATA signal cable 500 mm                      | 1   |

## Ordering Information

### Standard

|                                |   |
|--------------------------------|---|
| SHB215VGG<br>(P/N: E38C215100) | PICMG 1.3 half-size CPU card with Intel® Celeron® processor J1900 (up to 2.42 GHz), SATA2, CFast™, USB 2.0, VGA and Dual LANs |
|--------------------------------|---|

### Optional

|              |   |
|--------------|---|
| 59380000290E | PS2 keyboard & mouse cable with bracket |
| 59409222800E | Stack USB 2.0 cable L=260mm             |