

# ECW-281B

Fanless Embedded System with Intel® Celeron® J1900 Processor



## Features

- » Fanless system with Intel® Celeron® J1900 Processor
- » Supports four COM ports (three RS-232, one RS-422/485)
- » 12V DC and 9 V~36 V DC models available
- » Wide operating temperature: -20°C ~ 60°C with SSD

## Specifications

|                             |  |
|-----------------------------|--|
| <b>Form factor</b>          |  |
| SBC Form Factor             | CPU: Intel® Celeron® J1900 processor<br>(2 GHz, quad-core, 2 MB cache, TDP=10W)<br>Chipset: SoC<br>System Memory:<br>1 x 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM (system max. 8 GB)   |
| <b>I/O Interface</b>        |  |
| I/O Ports                   | 1 x USB 3.0<br>3 x USB 2.0<br>Ethernet:<br>LAN 1: PCIe GbE by Intel® I210 controller<br>LAN 2: PCIe GbE by Intel® I211 controller<br>COM Port:<br>3 x RS-232<br>1 x RS-422/485<br>Digital I/O: 8-bit digital I/O<br>Display: 1 x VGA<br>Resolution: VGA: Up to 2560x1600@60Hz<br>Audio: 1 x Line out<br>Wireless: 1 x 802.11b/g/n (optional) |
| <b>Expansion Slots</b>      |  |
| Expansion Slots             | 1 x Full-size PCIe Mini card slot (supports mSATA)<br>1 x Half-size PCIe Mini card (only for iRIS)   |
| <b>System</b>               |  |
| Cooling method / System Fan | Fanless  |
| Drive Bays                  | 1 x 2.5" SATA 3Gb/s HDD bay  |
| <b>Color</b>                |  |
| Color                       | Black  |
| <b>Dimensions</b>           |  |
| Dimensions                  | 229 x 64 x 132   |
| <b>Weight</b>               |  |
| Weight                      | 2.1 kg / 3.9 kg  |
| <b>Environment</b>          |  |
| Operating Temperature       | -20°C~60°C with air flow (SSD)   |
| Humidity                    | 10% ~ 95%, non-condensing  |

## Ordering Information

|                           |   |
|---------------------------|---|
| ECW-281BWD-BTi-J1/2GB-R20 | Fanless embedded system with WAFER-BT-R20,with Intel® Celeron J1900 2GHz, 4 serial ports,with 2GB DDR3L pre-installed SO-DIMM memory, 9~36VDC in, w/o adapter, black, RoHS    |
| ECW-281B-BTi-J1/2GB-R20   | Fanless embedded system with WAFER-BT-R20,with Intel® Celeron J1900 2GHz, 4 serial ports,with 2GB DDR3L pre-installed SO-DIMM memory,12VDC in, 60W power adapter, black, RoHS |

## Packing List

|  |                        |
|--|------------------------|
| 1 x Power cord only for 12V            | 1 x Wall mount bracket |
| 1 x 12V 60W power adapter only for 12V | 1 x Screw set          |