

# ECW-281B-QGW

QTS-Gateway for 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)
- » 9~36V DC input support
- » Wide operating temperature: -20°C ~ 60°C with SSD
- » Pre-install QTS-Gateway



## Specifications

| Form factor                 |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| SBC Form Factor             | Intel® Celeron® J1900 processor<br>(2 GHz, quad-core, 2 MB cache, TDP=10W)   |
| System                      |                                                                              |
| Cooling method / System Fan | Fanless                                                                      |
| Chipset                     | SoC                                                                          |
| Memory Max.                 | 1 x 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM (system max. 8 GB)    |
| Drive Bays                  | 1 x 2.5' SATA 3Gb/s HDD Bay                                                  |
| Storage                     | 1 x 2.5' SATA 3Gb/s HDD Bay                                                  |
| I/O Interface               |                                                                              |
| Display                     | 1 x VGA                                                                      |
| Audio                       | 1 x Line out                                                                 |
| I/O Interface               | 1 x VGA                                                                      |
|                             | 3 x USB 2.0                                                                  |
|                             | 1 x USB 3.0                                                                  |
|                             | 3 x RS-232                                                                   |
|                             | 1 x RS-422/485                                                               |
|                             | 1 x PCIe GbE by Intel I210                                                   |
|                             | 1 x PCIe GbE by Intel I211                                                   |
|                             | 1 x Line out                                                                 |
| Digital I/O                 | 8-bit digital I/O                                                            |
| Power                       |                                                                              |
| Input                       | 3-pin terminal: 9 V~36 V DC                                                  |
| Power consumption           | 12V@1.45A (with Intel® Celeron® J1900 CPU and one 8 GB 1333 MHz DDR3 memory) |
| Environment                 |                                                                              |
| Operating Temperature       | -20°C ~ 60°C with air flow (SSD)                                             |
| Dimensions                  |                                                                              |
| Dimensions                  | 229 x 64 x 132                                                               |
| Weight                      |                                                                              |

|                 |                                              |
|-----------------|----------------------------------------------|
| Weight          | 2.1 kg / 3.9 kg                              |
| Expansion Slots |                                              |
| Expansion Slots | 1 x Half-size PCIe Mini card (only for iRIS) |
| Option          |                                              |
| iRIS            | 1 x iRIS-1010-R10 (optional purchase)        |

## Ordering Information

|                        |                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ECW-281BWD-BTi-QGW-R10 | Fanless embedded system with WAFER-BTi-R10,with Intel® Celeron J1900 2GHz, 4 serial ports,with 4GB DDR3L pre-installed SO-DIMM memory, with QTS-Gateway, 9~36VDC in, w/o adapter, black, RoHS |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Packing List

|                        |               |
|------------------------|---------------|
| 1 x Wall mount bracket | 1 x Screw set |
|------------------------|---------------|