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***QTS-Gateway for Fanless Embedded System wtih Intel® Celeron® J1900 Processor***

**ECW-281B-QGW**

# *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



Fanless

***USB***

USB 3.0

Dual GbE

# *Specifications*

|  |  |
| --- | --- |
| **Model Name** | **ECW-281B-BT** |
| **Chassis** | **Color** | Black |
| **Dimensions****(WxHxD) (mm)** | 229 x 64 x 132 |
| **System Fan** | Fanless |
| **Chassis****Construction** | Aluminum alloy with heavy duty metal |
| **Motherboard** | **Motherboard Model** | WAFER-BT-i1 |
| **SBC Size (mm)** | 3.5", 146 x 102 |
| **CPU** | Intel® Celeron® J1900 processor(2 GHz, quad-core, 2 MB cache, TDP=10W) |
| **Chipset** | SoC |
| **System****Memory** | 1 x 204-pin 1066/1333 MHz single-channel DDR3LSO-DIMM (system max. 8 GB) |
| **IPMI** | **iRIS Solution** | 1 x iRIS-1010-R10 (optional) |
| **Storage** | **Hard Drive** | 1 x 2.5” SATA 3Gb/s HDD bay |
| **I/O Interfaces** | **USB 3.0** | 1 |
| **USB 2.0** | 3 |
| **Ethernet** | LAN 1: PCIe GbE by Intel® I210 controllerLAN 2: PCIe GbE by Intel® I211 controller |
| **COM Port** | 3 x RS-2321 x RS-422/485 |
| **Digital I/O** | 8-bit digital I/O |
| **Display** | 1 x VGA |
| **Resolution** | VGA: Up to 2560x1600@60Hz |
| **Audio** | 1 x Line out |
| **Expansion** | **PCIe Mini** | 1 x Half-size PCIe Mini card (only for iRIS) |
| **Power** | **Power Input** | 3-pin terminal: 9 V~36 V DC |
| **Consumption** | 12V@1.45A (with Intel® Celeron® J1900 CPU and one8 GB 1333 MHz DDR3 memory) |
| **Reliability** | **Mounting** | Wall mount, VESA 100 |
| **Operating****Temperature** | -20°C~60°C with air flow (SSD),10% ~ 95%, non-condensing |
| **Storage****Temperature** | -20°C ~ 60°C |
| **Operating****Shock** | Half sine wave 5G, 11ms 3-axis (non-operational) |
| **Operating****Vibration** | MIL-STD-810F 514.5C-1 (HDD) |
| **Weight****(Net/Gross)** | 2.1 kg / 3.9 kg |

***Ordering Information***

***Dimensions (Unit: mm)***





# *Options*

|  |  |
| --- | --- |
| **Part No.** | **Description** |
| **iRIS-1010-R10** | IPMI 2.0 adapter card with AST1010 BMC chip (W/O KVM over IP function) for PCIe Mini socket interface |
| **ECW-281B-BTi-WES7E64-R10** | OS Image with Windows® Embedded Standard 7 E 64Bit for ECW-281BTi Series, with DVD-ROM, RoHS, R10 |

***Packing List***

|  |  |
| --- | --- |
| 1 x Wall mount bracket | 1 x Screw set |
| 1 x One Key Recovery CD | 1 x Utility CD |

ECW-281B-QGW-2018-V10

***Industrial Computer Chassis***

|  |  |
| --- | --- |
| **Part No.** | **Description** |
| **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 |