



Features

- Intel Bay Trail Quad Core J1900, 2.0Ghz up to 2.42Ghz
- DDR4- 1333MHz SO- DIM Memory Support up to 8GB
- Dual Display: VGA, HDMI
- Support 1 x 2.5" SATA HDD Bay and 1 x mSATA
- Multiple I/O: 5 x USB 2.0, 1xLAN, 3xCOM, 1xRJ11, 1 x LPT
- Support 1 x Full-size MiniPCIe
- Lockable DC jackdesign
- Optional VESA
- Supports WISE-PaaS/RMM and Embedded Software APIs

WISE-PaaS/RMM     

General Information:

R-UBX310V, an intelligent, fanless embedded system powered by Intel® Celeron™ J1900 Quad Core low power processor with multiple I/O interface. The new generation Intel® Celeron™ processor brings 300% improvement on processing power and 300% on graphics performance than previous generation Intel® Atom™ processors.

Specifications

| | | |
|--------------------|----------------------------|--|
| Processor System | CPU | Intel Bay Trail Quad Core J1900 |
| | Max. Speed | 2.0 GHz, Turbo Boost up to 2.42GHz |
| | L2 Cache | 2 MB |
| | BIOS AMI | AMI EFI 64Mbit SPI |
| Memory | Technology | Single channel DDR3L 1333MHz SDRAM |
| | Max. Capacity | 8 GB |
| | Socket | 1 x 204-pin SO-DIMM |
| Graphics | Controller | Integrated Intel HD Graphics engine |
| | HDMI | Up to 1920 x 1080 (@60Hz) |
| | VGA | Up to SXGA 2560 x 1600 (@60Hz) |
| Ethernet | LAN1 | 1 x RJ45, 10/100/1000 Mbps Realtek 8111E GbE |
| Audio | Interface | Realtek ALC269, Line-out and Mic-in |
| I/O Interface | Serial Port | 3 x RS-232 ports, COM3 support 5V & 12V by order |
| | USB | 5 x USB 2.0 port |
| | LPT | 1 x LPT |
| | RJ11 | 1 x RJ11, cash drawer, 24V default, 12V buy order |
| Other | Watchdog | 255-level timer interval, setup by software |
| Expansion | Mini PCIe1 | 1 x Full-size Mini PCIe, supports WWAN module |
| Storage | HDD | 1 x SATA HDD Bay for 2.5" device |
| | Solid State Disk | 1 x mSATA |
| Software Support | Microsoft Windows | Windows Embedded POSReady 7, Windows 7 Pro Embedded, Windows 8.1 Pro Embedded (64-bit) |
| | Linux | Linux Kernel 3.13 or above(by project) |
| Power Requirements | Power Type | ATX mode |
| | Power Input Voltage | 12 VDC, ± 10% |
| | Power Adapter | AC to DC, DC12V / 5A, 60W (Optional) |
| Mechanical | Construction | Steel |
| | Dimensions (W x H x D) | 245 x 45 x 185 mm |
| | Weight | 2.0 kg |
| Environment | Operating Temperature | With 2.5-inch hard disk 0 ~ 40° C (32 ~ 104° F) with 0.7 m/s air flow |
| | Storage Temperature | -40 ~ 85° C (-40 ~ 185° F) |
| | Relative Humidity | 90% @ 40° C (non-condensing) |
| | Vibration During Operation | With HDD: 0.5 Grms, IEC 60068-2-64, random, 5~500Hz, 3 axes, 1hr/axis |
| | Shock During Operation | With HDD: 10 G, IEC 60068-2-27, half sine, 11 ms duration |
| | EMC | CCC/BSMI/CE/FCC |
| | Safety | CCC/BSMI/CB/UL |
| | | |

All product specifications are subject to change without notice, * identify as optional function

