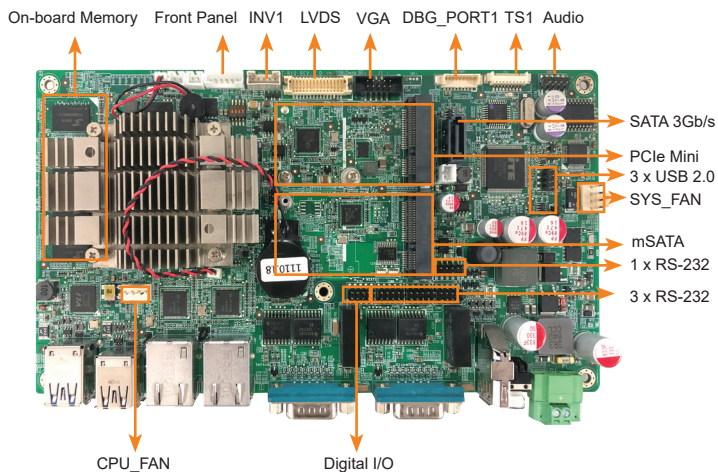


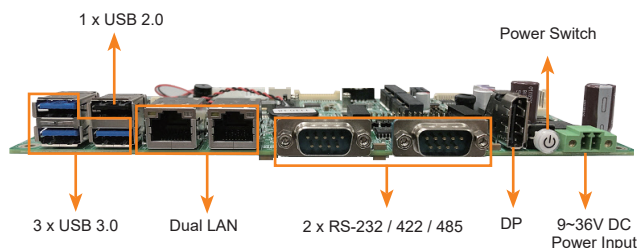
EB-IBT-R10

EPIC SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz on-board SoC with DP, VGA, LVDS, Dual Intel GbE, USB 3.0, MINI-PCIE, SATA, COM, Audio and RoHS



Features

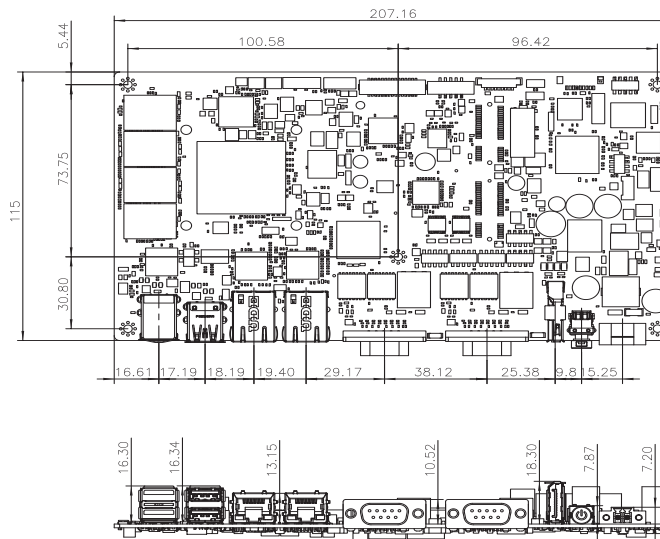
- EPIC SBC supports 22nm Intel® Atom™ on-board SoC
- Supports dual independent display with LVDS, VGA and DP
- 1.35V DDR3L1333/1600 MHz SDRAM support up to 8GB
- COM isolation protection, USB3.0, mSATA and audio support



Specifications

- ◆ SoC
 - Intel® Bay Trail-I 22nm Atom™ processor(J1900)
- ◆ BIOS: AMI UEFI BIOS
- ◆ Memory
 - 4GB solder -down 1333/1600 MHz DDR3L memory (up to 8GB)
- ◆ Graphics Engine
 - Intel® HD Graphics Gen 7 engines with four execution units, supporting DX11.1, OpenGL 4.0, ES 2.0, and OpenCL 1.2
- ◆ Display Output
 - Dual independent display
 - 1 x DP
 - 1 x VGA(By Pinhead)
 - 1 x18/24-bit dual channel LVDS (Up to 1920x1200@60Hz)
- ◆ Ethernet
 - Dual LAN Intel® I211-AT PCIe controller
- ◆ External I/O Interface
 - 3 x USB3.0
 - 1 x USB2.0
 - 2 x RS232/422/485 (DB-9 W/3kv isolation protection, Can be switched by BIOS)
- ◆ Internal I/O Interface
 - Support 5-wire resistive screen, design Penmount9000 line
 - 1 x SATA 3G/s
 - 3 x USB 2.0
 - 4 x RS232
- ◆ Audio
 - RRealtek ALC662 HD Audio Codec support 5.1-Channel
 - 1 x Front Audio (2x5pin)
- ◆ Super I/O
 - Fintek F81866
- ◆ Embedded Controller
 - iWDD
- ◆ Front Panel
 - 1 x Power LED & HDD LED (1x6 pin)
 - 1 x Power button (1x2 pin)
 - 1 x Reset button (1x2 pin)
- ◆ Expansion
 - 1 x Full-size/Half-size PCIe Mini card slot
 - 1 x Full-size PCIe Mini card slot
 - 1 x mSATA card slot
 - 1 x SIM card slot
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector
 - 1 x CPU smart fan (1x4 pin)
 - 1 x System smart fan (1x4 pin)
- ◆ Power Supply
 - Terminal Block :9-36V DC input
 - Support AT/ATX mode
- ◆ Power Consumption
 - TBD
- ◆ Watchdog Timer: Software programmable, support 1~255 sec. system reset
- ◆ Operating Temperature: -20°C ~ 60°C
- ◆ Storage Temperature: -30°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 115mm x 207mm
- ◆ Weight: GW: TBD

Dimensions (Unit: mm)



Ordering Information

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