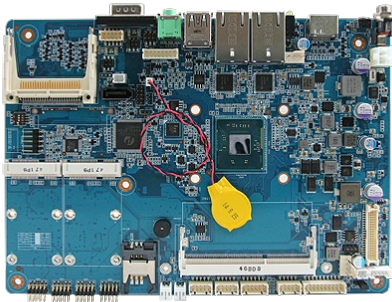




EBM-BYT

Intel® Celeron®/Atom™ SoC Processor J1900/E3845 5.25" Mini Module



- > Onboard Intel® Celeron®/Atom™ SoC J1900/E3845 BGA Processor
- > One 204-pin DDR3L SODIMM Socket, Supports Up to 8GB DDR3L 1066/1333MHz SDRAM
- > Dual Display, Dual-channel 18/24-bit LVDS, HDMI
- > HD Audio, Dual Gigabit Ethernet
- > 1 SATA II, 2 Mini PCIe, 1 USB 3.0, 5 USB 2.0, 1 CF, 16-bit GPIO
- > Fanless Operation

+ Spec

| System | |
|---|--|
| Processor | Intel® Atom™ E3845 4-Core 1.91GHz processor Intel® Celeron® J1900 4-Core 2.0GHz processor |
| System Memory | 1 x 204-Pin DDR3L 1066MHz SO-DIMM up to 8 GB Processor E3845 & J1900 only support 1333MHz |
| I/O Chip | EC ITE IT8528E |
| BIOS | AMI uEFI BIOS, 64/ 128Mbit SPI Flash ROM |
| Watchdog Timer | H/W Reset, 1sec. ~ 65535sec. and 1sec./step |
| H/W Status Monitor | Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control |
| Expansion | |
| Expansion | 1 x Mini PCIe Supports SIM Card 1 x Mini PCIe Supports mSATA |
| Storage | |
| Storage | 1 x CompactFlash Type I/II Socket |
| Touch Screen | |
| Built-in Touch controller (optional) | EETI ETP-CP-MER4485XRU USB, 5-wire Resistive |
| I/O | |
| USB | 1 x USB 3.0 5 x USB 2.0 |
| SATA | 1 x SATA II |
| COM Port | 2 x RS-232/422/485 4 x RS-232(Optional) |
| DIO | 1 x 16bit GPIO |
| MIO | 1 x LPC 1 x SPI 1 x PS2/ KB & MS |
| Other | 1 x SIM Card Slot |
| Display | |
| Chipset | Intel® Valleyview SoC integrated Graphics Supports dual display |
| Resolution | VGA:Max. resolution 2560x1080@ 60Hz HDMI:Max. resolution 1920x1200@ 60Hz LVDS:Max. resolution 1920x1080@ 60Hz CRT + LVDS, HDMI + LVDS, CRT + HDMI Dual-channel 18/ 24-bit LVDS |
| Audio | |
| Chipset | Realtek ALC892 supports 5.1-CH |
| Audio Interface | Mic-In, Line-In and Line-Out |
| Ethernet | |
| Chipset | 2 x Intel® I210IT Bay Trail-M/D: 2 x Intel® I211AT Gigabit Ethernet Controller |
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |
| LAN Port | 2 x RJ-45 |
| Mechanical & Environmental | |
| Power Requirement | +12V ~ +26V |
| Power Type | AT/ATX |
| Operating Temperature | -40°C ~ 85°C (-40°F ~ 185°F) 0°C ~ 60°C (with Processor J1900) |
| Storage Temperature | -40°C ~ 85°C (-40°F ~ 185°F) |
| Operating Humidity | 40°C @ 95% Relative Humidity, Non-condensing |



| | |
|----------------------------------|----------------------------|
| Dimension (L x W) | 8" x 5.75" (203mm x 146mm) |
| Weight | 0.55lb (0.25kg) |
| Certifications | |
| Certification Information | CE FCC Class B |
| Software Support | |
| OS Information | Win 7 Win 8 Linux |

+ Ordering

EBM-BYT-E3845W-A2R
5.25" W/E3845 D1/18/24bit/2LAN/2COM/1SATA

EBM-BYT-J1900-A2R
5.25" W/J1900 D1/18/24bit/2LAN/2COM/1SATA