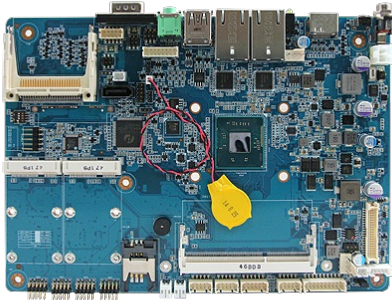




EBM-BYT

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 Temp	-40°C ~ 85°C (-40°F ~ 185°F) 0°C ~ 60°C (with Processor J1900)
Storage Temp	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0% ~ 90% 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-A1R
5.25" W/E3845/18/24bit/2LAN/2COM/1SATA

EBM-BYT-J1900-A1R
5.25" W/J1900/18/24bit/2LAN/2COM/1SATA