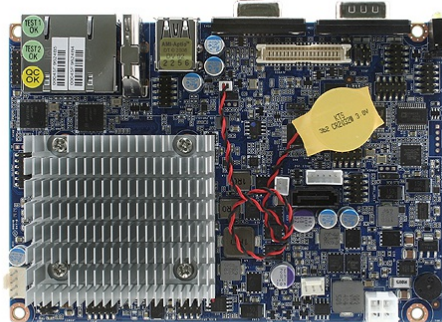




ECM-BYT

Intel® Celeron®/Atom™ SoC Processors
J1900/E3845 3.5" Micro Module



- > Onboard Intel® Celeron®/Atom™ SoC J1900/E3845 BGA Processor
- > One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1066/ 1333 SDRAM
- > Dual View, 2-CH LVDS, CRT, HDMI
- > 2 x Gigabit Ethernet
- > HD Audio/ Fanless Operation
- > 1 CF, 1 SATA II, 1 Mini-PCIe, 1 USB 3.0, 5 USB 2.0, 4 COM, 8-bit GPIO

+ Spec

System Information

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 or 1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB Processor E3845 & J1900 only support 1333MHz
I/O Chipset	EC ITE IT8528E
BIOS Information	AMI uEFI BIOS, 64Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring SYSTEM Temperature, Voltage and FAN Status with Auto Throttling Control

Expansion

Expansion	1 x Mini PCIe Supports mSATA
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Storage

Storage	1 x CompactFlash Type I/II Socket
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Touch Screen

Built-in Touch controller (optional)	Chipset: PenMount 6000 Touch Screen Interface: With 5-pin 2.0mm Box Header (Can be Selected to Support 4/ 5Wire Touch Screen)
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I/O

USB Port	5 x USB 2.0 1 x USB 3.0
COM Port	1 x RS-232/422/485 3 x RS-232
SATA	1 x SATA II
DIO	1 x 8bit GPIO
MIO	1 x LPC 1 x PS2/ KB & MS

Display

Graphic Chipset	Intel® Valleyview SoC integrated Graphics Supports dual display
Spec. & 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

Audio Codec	Realtek ALC888S Support 5.1-CH
Audio Interface	Mic-In, Line-In and Line-Out

Certifications

Certification Information	CE FCC Class B
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Ethernet

LAN Chipset	2 x Intel® I211AT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Mechanical & Environmental

Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) -40°C ~ 85°C (-40°F ~ 185°F) (Optional for Wide Temperature Model)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing



Weight	0.44lbs (0.2kg)
Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI3.0 Compliant
Power Mode	AT/ATX
Dimension (L x W)	5.7" x 4" (146mm x 101mm)
Software Support	
OS Information	Win 10 Win 8 Win 7 Linux
Ordering Information	
Ordering Information	ECM-BYT-E3845-B1R ECM-BYT W/E3845 D1/1SATA/4COM/B1 ECM-BYT-J1900-B1R ECM-BYT W/J1900 D1/1SATA/4COM/B1 ECM-BYT-E3845W-B1R (Wide temp.-40~+85C) ECM-BYT W/E3845 D1/4COM/WT/B1