

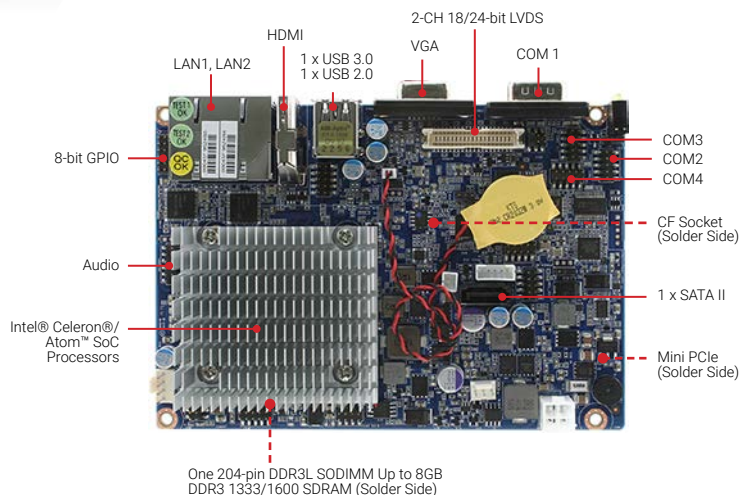
ECM-BYT

3.5" Single Board Computer

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

Features

- Standard Temperature: 0 ~ 60°C (32 ~ 140°F)
- Extended Temperature: -40 ~ 85°C
- 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



Specifications

System

CPU	ECM-BYT-J1900: Intel® Celeron® J1900 2.0 GHz Quad Core ECM-BYT-E3845: Intel® Atom™ E3845 1.9 GHz Quad Core ECM-BYT-E3845-ET: Intel® Atom™ E3845 1.9 GHz Quad Core with -40 to 85 Extended Temp
BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
System Chipset	Valleyview SoC Integrated
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
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	1 x Mini PCIe Supports mSATA 1 x CompactFlash Type I/II Socket

OS Support

OS Info	Win 8, Win 7, Linux
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I/O

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

Display

Chipset	Intel® Valleyview SoC integrated Graphics
Resolution	VGA: Max. Resolution 2560x1080@ 60Hz HDMI: Max. Resolution 1920x1200@ 60Hz LVDS: Max. Resolution 1920x1080@ 60Hz
Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
LCD Interface	Dual-channel 18/ 24-bit LVDS

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)

Audio

HD Codec	Realtek ALC892 Support 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN Chip	2 x Intel® I211AT Gigabit Ethernet Controller
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environment

Power Requirement	+12V ~ 26V
ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temp.	Standard Temperature: 0 ~ 60°C (32 ~ 140°F) Extended Temperature: -40 ~ 85°C (OEM)
Storage Temp.	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0%~90% Relative Humidity, Non-condensing
Form Factor	3.5" Single Board Computer (SBC)
Dimensions	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Info

ECM-BYT-J1900	Intel Celeron J1900 2.0 GHz Quad Core 3.5" SBC Micro Module
ECM-BYT-E3845	Intel Atom E3845 1.9 GHz Quad Core 3.5" SBC Micro Module
ECM-BYT-E3845-ET	Intel Atom E3845 1.9 GHz Quad Core 3.5" SBC Micro Module with -40 to 85°C Extended Temp

* All product specifications and images are subject to change without notice.
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