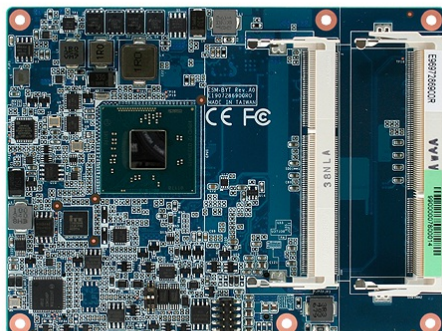




ESM-BYT

Intel® Celeron®/Atom™ SoC Processor
J1900/E3845 Type6 COME Basic Module

- > Onboard Intel® Celeron®/Atom™ SoC J1900/E3845 BGA Processor
- > Two 204-pin DDR3L SODIMM Up to 8GB DDR3L 1066/1333 SDRAM
- > Support Dual-channel 18/24-bit LVDS, Display Port, HDMI, DVI, VGA, eDP (Option)
- > Intel® I211AT Gigabit Ethernet
- > 2 SATA II, 7 USB 2.0, 1 USB 3.0, 8-bit GPIO
- > HD Audio Interface
- > +9 ~ +19V Wide Range Power Input
- > Type 6 Rev. 2.1 Pin-out
- > Extended Temperature: -40 ~ +85°C

+ Spec

-System Information-	
Processor	Intel® Celeron® J1900 4-Core 2.0GHz processor Intel® Atom™ E3845 4-Core 1.91GHz processor Intel® Atom™ E3825 2-Core 1.33GHz processor
System Memory	2 x 204-Pin DDR3L 1066MHz SO-DIMM (for Bay trail-I E3826/E3825/E3815) up to 8 GB or 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB Processor E3845 & J1900 only support 1333MHz
I/O Chipset	EC ITE IT8518E
BIOS Information	AMI uEFI BIOS, 64Mbit SPI Flash ROM
Expansion	
Expansion	3 x PCIe x1
I/O	
USB Port	7 x USB 2.0 1 x USB 3.0
COM Port	1 x UART
SATA	2 x SATA II
DIO	1 x 8bit GPIO
MIO	1 x SMBus 1 x LPC 1 x I2C
Display	
Graphic Chipset	Intel® Valleyview SoC integrated Graphics
Spec. & Resolution	VGA: Max. resolution 2560x1080@ 60Hz LVDS: Max. resolution 1920x1080@ 60Hz DP: Max. resolution 2560x1600@ 60Hz HDMI: Max. resolution 1920 x 1080@ 60 24bpp
LVDS	CH7511B (eDP to LVDS)
DDI	HDMI DVI DisplayPort
Audio	
Audio Codec	Intel® Valleyview SoC integrated
Audio Interface	Intel® High Definition Audio
Certifications	
Certification Information	CE FCC Class B
Ethernet	
LAN Chipset	1 x Intel® I211AT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
Mechanical & Environmental	
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) (Standard) -40°C ~ 85°C (-40°F ~ 185°F) (Extended)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Power Requirement	+9V ~ +19V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Mode	AT/ATX

Dimension (L x W)	5" x 3.7" (125mm x 95mm)
Software Support	
OS Information	Win 8 Win 7 Linux Android
Ordering Information	
Ordering Information	ESM-BYT-E3845-A2R SOM-COMe W/E3845 D1 BGA A1 ESM-BYT-J1900-A2R SOM-COMe W/J1900 D1 BGA A1 EEV-EX14-B1R mATX Ev. Board for COMe Type 6 A2 ESM-BYT-HSK-A1R Heatsink for ESM-BYT W/O FAN H=36mm ESM-BYT-CLR-A1R Cooler for ESM-BYT W FAN H=36mm for wide temp ESM-BYT-HSP-A1R Heatspreader for ESM-BYT EEV-EX62-A1R COMe Type 6 to Type 2 Adapter