



## ASM-BYT

### Intel® Celeron® SoC Processor J1900 Fanless Ultra Slim System



- > Onboard Intel® Celeron® J1900 BGA Processor
- > One 204-pin SODIMM Socket Up to 8GB DDR3L 1333MHz SDRAM
- > Rich I/O, 1 VGA, 1 HDMI, 1 CF, 1 Mic-In, 1 Line-In, 2 Line-Out, 2 LAN, 2 COM, 4 USB
- > Expansion Slot Supports 2 Mini PCIe Slot
- > Fanless Operating from 0 ~ 50°C
- > Wide Range DC Power Input from 12 ~ 26V
- > Super Slim Design, 182mm x 257mm x 25mm
- > Supports VESA 75 & 100

#### + Spec

System	
<b>Processor</b>	Intel® Celeron® J1900 4-Core 2.0GHz processor
<b>System Memory</b>	1 x204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
<b>H/W Status Monitor</b>	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control
<b>Board</b>	EBM-BYT + AUX-025
Expansion	
<b>Expansion</b>	2 x Mini PCIe
Storage	
<b>Storage</b>	1 x CompactFlash Type III Socket 1 x mSATA 1 x 2.5" Drive Bay
I/O	
<b>USB</b>	3 x USB 2.0 1 x USB 3.0
<b>COM Port</b>	1 x RS-232 1 x RS-232/422/485 COM 1 can be set as RS-232/422/485 by BIOS
<b>Other</b>	1 x SIM Card Slot 1 x Knockouts for Antenna Mounting
Display	
<b>Chipset</b>	Intel® Valleyview SoC integrated Graphics
<b>Resolution</b>	VGA:Max. resolution 2560x1080@ 60Hz HDMI:Max. resolution 1920x1200@ 60Hz
Audio	
<b>Chipset</b>	Realtek ALC892 supports 5.1-CH
<b>Audio Interface</b>	Mic-In, Line-In and 2 x Line-Out
Ethernet	
<b>Chipset</b>	2 x Intel® I211AT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ-45
Mechanical & Environmental	
<b>Operating Temp</b>	(w/SSD, mSATA, CF), ambient w/ air flow 0°C ~ 50°C (32°F ~ 122°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Construction</b>	Aluminum + Metal + Plastic
<b>Mounting Kit</b>	VESA Mount kit (Optional)
<b>Dimension (L x W x H)</b>	7.2" x 10.1" x 1.0" (182mm x 257mm x 25mm)
<b>Vibration Test</b>	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
<b>Shock Test</b>	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms
Certifications	
<b>Certification Information</b>	CE FCC Class A
Software Support	



<b>OS Information</b>	Win 8 Win 7 Linux
<b>Power Requirement</b>	
<b>Power Connector</b>	Lockable DC Jack
<b>Power Requirement</b>	+12V ~ +26V
<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>Adapter</b>	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter

**+ Ordering**

ASM-BYT-1900-A1-1R  
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ACC-ASM-VESA-2R  
VESA Mount kit