



HPC-BYT

Intel® Atom™ SoC processor E3845 Din Rail System

- > Type6 COMe compact module with Intel® Baytrail SoC Processors
- > One 204-pin SODIMM Socket Up to 4GB DDR3L 1333MHz SDRAM
- > 2 COM ports support RS-232/422/485(DB9), 4 Isolated COM ports support RS-232/422/485
- > 2 Isolated 10/100/1000Mbps Ethernet
- > Fanless Operation, from -40 ~ 70°C
- > Wide Range DC Power Input from 12 ~ 48V
- > Rugged Design for Vibration & Shock Protection
- > Supports Din Rail kit, optional Wall mount kit
- > Passed Heavy Industrial CE, FCC and UL testing

+ Spec

System	
Processor	Intel® Atom™ E3845 4-Core 1.91GHz processor
System Chipset	Valleyview SoC integrated
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 4 GB
I/O Chip	EC ITE IT8528
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
Board	ESM-BYT2 + EAP-CE04 + HPC-DB-A
Expansion	
Expansion	2 x Mini PCIe 1 x HPC 80-Pin IET Interface
Storage	
Storage	1 x CFast™ 1 x 2.5" Drive Bay (7mm HDD Restricted)
I/O	
USB	3 x USB 2.0 1 x USB 3.0
COM Port	6 x RS-232/422/485
Other	1 x Power on/off (Control-By-Wire) 3 x Knockouts for Antenna Mounting
Display	
Chipset	Intel® Valleyview SoC integrated Graphics
Resolution	DP: Max. resolution 2560x1080 @ 60Hz
Audio	
Chipset	Realtek ALC892
Audio Interface	Line-In and Line-Out
Audio Amplifier	2W Per Channel APA4863RI
Ethernet	
Chipset	1 x Intel® I211AT 1 x Intel® I210IT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	DC +12V ~ +48V (±10%), wide voltage single power input OVP, UVP, Reverse protection, support ErP
ACPI	Single power ATX Support S0,S3, S4, S5 ACPI 5.0 Compliant
Power Type	6-Pin Terminal Block
Operating Temp	(w/SSD, CFast), ambient w/ air flow -40°C ~ 70°C (-40°F ~ 158°F) (w/HDD), ambient w/ air flow 0°C ~ 45°C (32°F ~ 113°F)
Storage Temp	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 90% Relative Humidity, Non-condensing
Construction	Aluminum + Metal
Mounting Kit	Din Rail Kit (Standard)
Dimension (L x W x H)	5.5" x 3.3" x 6.4" (140.7mm x 85mm x 163mm)
Vibration Test	With SSD/CFast : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis With HDD: 0.5Grms, IEC 60068-2-64, Random, 5~500Hz, 1hr/axis
Shock Test	With SSD/CFast : 50Grms, IEC 60068-2-27, Half Sine, 11ms With HDD:10G, IEC 60068-2-64, Random, 5~500Hz, 1hr/axis
Color	Black
Certifications	



Certification Information	CE Heavy Industrial FCC Heavy Industrial EN50121-4(Compliant with) UL 508(Compliant with)
Software Support	
OS Information	Win 7 Win 8 Linux
Power Requirement	
Power Connector	Phoenix Connector
Power Requirement	+12V ~ +48V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Mode	AT/ATX (ATX is default setting)
Adapter	Optional AC-DC Adapter

+ Ordering

HPC-BYT-3845-A1-1R
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