



EMS-BYTC2

Intel® Atom™ SoC processor E3845 IP65 Fanless System



- > Intel® Atom® E3845 Processor
- > One 204-pin SODIMM Socket Up to 8GB DDR3L 1600MHz SDRAM
- > Rich I/O, 1 VGA, 1 RS-485, 2 LAN, 1 USB3.0, 3 Antenna Mounting
- > 2 x Full Size Mini PCIe for LTE, WiFi Mini Cards
- > 8 x LED for Status Indicator (Programmable via SMBus)
- > 8 bit GPIO (24V, 4DI, 4DO)
- > IP65 Rating Fanless Design
- > Operating Temperature Supports 0°C ~ 60°C
- > Supports Wall Mount kit

+ Spec

System	
Processor	Intel Atom® Processor E3845 (2M Cache, 1.91 GHz)
System Memory	1 x 204-pin SODIMM Socket Up to 8GB DDR3L 1333MHz SDRAM
BIOS	AMI BIOS, 64Mbit SPI Flash ROM
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min.
H/W Status Monitor	Monitoring CPU Temperature, Voltage with Auto Throttling Control
SBC	ECM-BYT
Expansion	
Expansion	2 x Full Size Mini PCIe Socket
Storage	
Solid State Drive	1 x Accessible 2.5" Drive Bay 1 x Compact Flash Type III Socket
I/O	
USB	1 x USB 3.0
COM Port	1 x RS-485
Antenna	3 x Antenna Mounting
GPIO	1 x 8-bit GPIO (24V, 4DI, 4DO)
VGA	1 x VGA
Display	
Chipset	Intel® Valleyview SoC integrated Graphics
Resolution	1 x VGA : Max. Resolution 2560 x 1080 @ 60Hz
Multiple Display	Single Display
Ethernet	
Chipset	1 x Intel® I210AT
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible
LAN Port	1 x RJ45
Mechanical & Environmental	
Power Requirement	24 Vdc Input
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Type	AT/ATX (ATX is default setting)
Operating Temp	With extended temperature peripherals: 0°C ~ 60°C with 1m/air flow
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Mounting Kit	Wall Mount Kit
Dimension (L x W x H)	239.4mm x 450 mm x 60 mm
IP Rating	IP65 Rating
Vibration Protection	With SSD/mSATA : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
Shock Protection	With SSD/mSATA : 50Grms, IEC 60068-2-27, Half Sine, 11ms
Drop	ISTA 2A, IEC-60068-2-32 Test : Ed
Certifications	
Certification Information	IP65 Rating (System Level), CE, FCC Class A (Board Level)
Software Support	
OS Information	Win 7
System Control	
LED Indicator	8 x Green Programmable LED (via SMBus)

+ Ordering

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