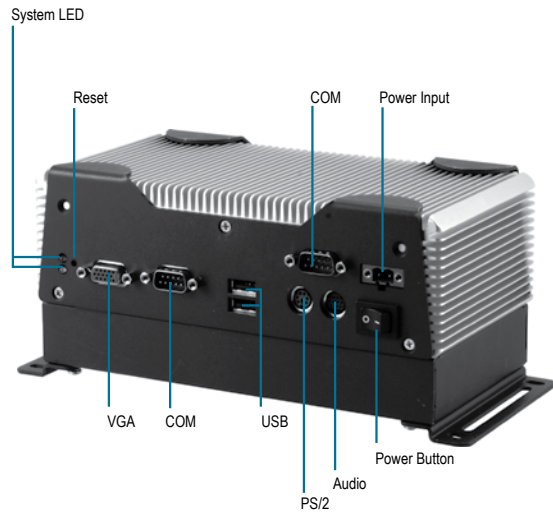
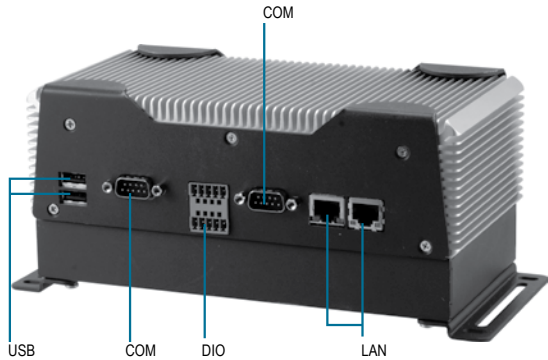


AEC-6841

Mini Fanless Embedded Controller With Intel® Atom™ Low Power Processor



Features

- Intel® Atom™ N270 Processor, 1.6 GHz
- DDR2 SODIMM x 1, Max. 2 GB
- COM x 4 (1 Isolated), USB2.0 x 4
- 10/100Base-TX x 1, Gigabit Ethernet x 1
- SATA/ IDE Interfaces
- Mini-PCI x 1 (Rev.B) Or Mini Card x 1 (Rev.A)
- VGA Output
- AT Power Function
- DIO Support



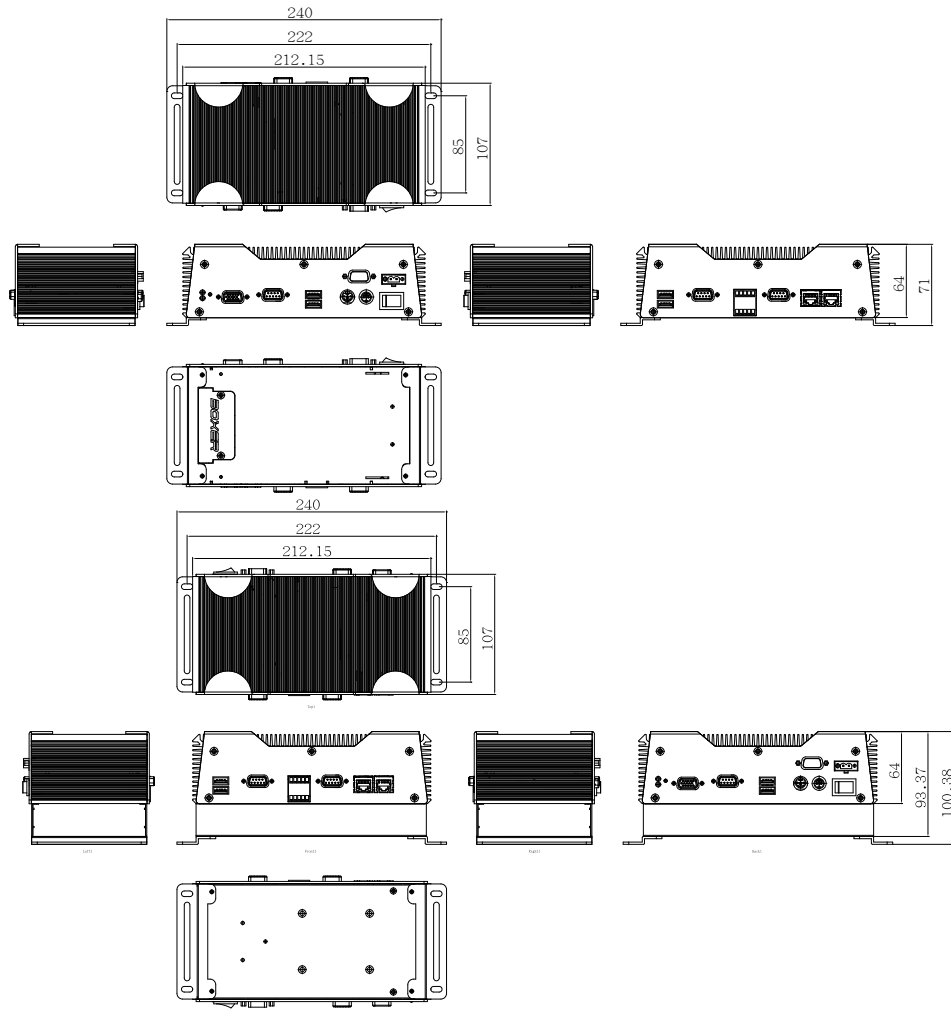
Specifications

CPU	Intel® Atom™ N270 processor, 1.6 GHz	
Chipset	Intel® 945GSE + ICH7M	
System Memory	DDR2 SDRAM SODIMM x 1, Max. 2 GB	
Display Interface	VGA	DB-15 x 1, shared system memory up to 224MB/ DVMT 3.0
	DVI	—
	Others	—
Storage Device	SSD	CompactFlash™ Slot inside
	HDD	2.5" SATA 1.5Gb/s /IDE Slim Hard Disk Drive Bay (optional)
Network	LAN	10/100Base-TX x 1, Gigabit Ethernet x 1
	Wireless	—
Front I/O	USB Host	USB2.0 x 2
	LAN	—
	Serial Port	RS-232 x 1, RS-232/422/485 x 1
	DIO	—
	Audio	Line-in/Line-out/Mic-in x 1
	KB/MS	PS/2 x 1
	Others	Power Switch x 1, Reset Button x 1, DB-15 x 1, Power input x 1
	Power Input	—
Rear I/O	USB Host	USB2.0 x 2
	LAN	RJ-45 x 2
	Serial Port	RS-232 x 2
	DIO	DIO x 1
	Audio	—
	KB/MS	—
Expansion	Others	—
	PCIe [x1]	—
	PCI	—
	Mini Card	1 (Version A)
Indicator	Mini PCI	1 (Version B)
	Others	—
	Front	Power LED x 1, Hard Disk Drive LED x 1
Power Requirement	DC-in 9-30V	
Power Consumption	Intel® Atom™ N270 1.6GHz, 0.87A@DC 12V	
System Cooling	Passive Cooling	
Mounting	Wallmount	
Operating Temperature	Ambient with Airflow	
	5°F ~ 122°F (-15°C ~ 50°C) (CompactFlash™) 14°F ~ 122°F (-10°C ~ 50°C) (Hard Disk Drive)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	5 g rms /5 ~ 500Hz / operation (CompactFlash™)	
	1 g rms/ 5 ~ 500Hz/ operation (HDD)	
Anti-Shock	50 G peak acceleration (11 msec. duration) (CompactFlash™)	
	20 G peak acceleration (11 msec. duration) (Hard Disk Drive)	
MTBF	54,000	
Certification	EMC	CE /FCC Class A
	Safety	—

AEC-6841

Dimension

Unit: mm



Dimension (W x H x D)	8.35" (W) x 2.52" (H) x 4.21" (D) (212mm x 64mm x 107mm)
Gross Weight	8.36 lb (3.8Kg)

Ordering Information

- **TF-AEC-6841-A1-1010**
Embedded Controller, Intel® Atom™ 1.6GHz, 1 Mini Card, DC 9-30V, 1 GB RAM, VGA, 2 LAN, 8 DIO, 4 COM, 4 USB
- **TF-AEC-6841-B1-1010**
Embedded Controller, Intel® Atom™ 1.6GHz, 1 Mini-PCI, DC 9-30V, 1 GB RAM, VGA, 2 LAN, 8 DIO, 4 COM, 4 USB

Optional Accessories

- **1757904003**
DC Adapter, 40W
- **1702031802**
Power Cord (US type)
- **1702031803**
Power Cord (European type)
- **170203180E**
Power Cord (Japanese Type)
- **9761684101**
2.5" HDD Kit for AEC-6841