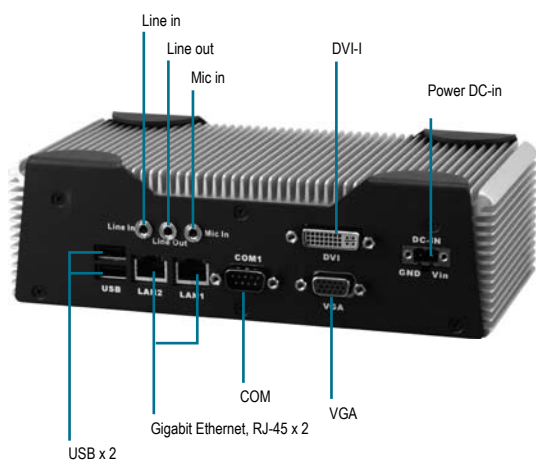
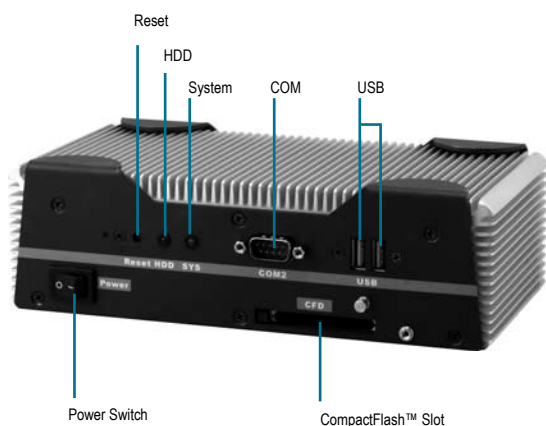


Fanless Embedded Controller With Intel® Atom™ Processor



Features

- Fanless Design
- Intel® Atom™ N270 Processor
- Gigabit Ethernet x 2
- Wide DC Power Input Range
- COM x 2, USB x 4
- Mini-PCI x 1
- AT Power Function
- Wide Operating Temperature

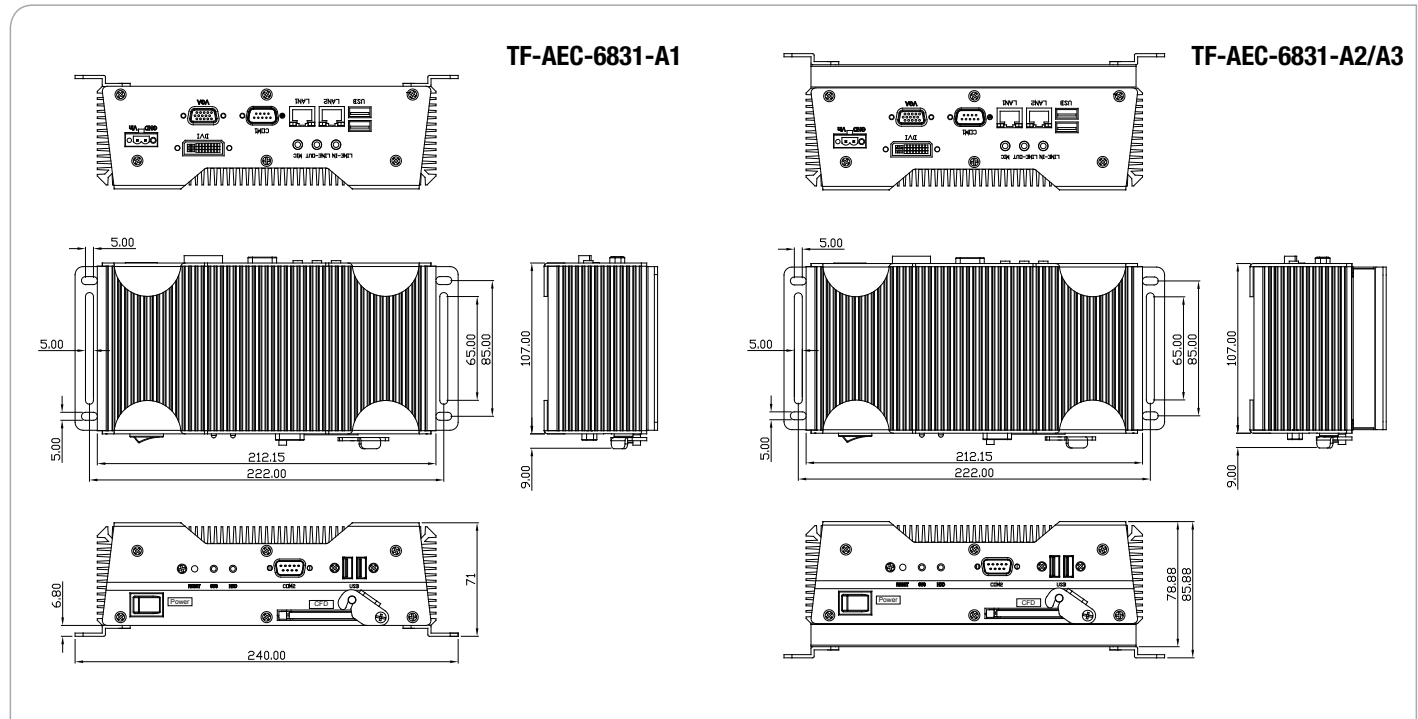


Specifications

System	
Processor	Intel® Atom™ N270 1.6 GHz Processor
Memory (Optional)	DDRII SODIMM x 1, Max. 2 GB
Expansion	Mini PCI x 1
VGA/ Keyboard/ Mouse	DVI-I + VGA, Keyboard/Mouse by USB
Ethernet	10/100/1000Base-TX, RJ-45 x 2
SSD	CompactFlash™ slot x 1
Hard Disk Storage	2.5" SATA/IDE Hard Disk Drive bay x 1 (optional)
Serial	COM1: RS-232, COM2: RS-232/422/485
Audio	Line-in, Line-out, MIC-in by an extension cable
USB	USB2.0 x 4
System Control	Power ON/OFF switch x 1, Reset button x 1
LED Indicator	Power LED x 1, hard disk active LED x 1
Watchdog Timer	Generates a time-out system reset, setting via software
Power Supply	1. DC Input Internal DC-DC converter (Default) Input voltage: DC 9-30V
	2. AC Input External power adapter(optional) Input voltage: AC 100~240V@50~60 Hz
Power Consumption	Intel® Atom™ N270 1.6 GHz 1.47A @ DC 9V
MTBF (Hours)	60,000
OS Support	Windows® XP Pro for Embedded, Windows® XPE, Linux, Windows® 7
Mechanical	
Construction	Rugged aluminum alloy chassis
Color	Dark blue
Mounting	Wallmount
Carton Dimension	9.5"(W) x 3.4"(H) x 4.2"(D) (240mm x 86mm x 107mm)
Net Weight	4.75 lb (2.16 Kg)
Environmental	
Operating Temperature	5°F ~ 131°F (-15°C ~ 55°C) (CompactFlash™) 32°F ~ 122°F (0°C ~ 50°C) (Hard Disk Drive)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C) (CompactFlash™)
Storage Humidity	5~95%@40°C, non-condensing
Vibration	5g rms/ 5 ~ 500Hz / operation (CompactFlash™) 1g rms/ 5 ~ 500Hz / operation (Hard Disk Drive)
Shock	50G peak acceleration (11 msec. duration) (CompactFlash™)
EMC	CE/ FCC Class A

Dimension

Unit: mm



Ordering Information

- **TF-AEC-6831-A1-1010**
Embedded Controller, Intel® Atom™ 1.6 GHz (N270), Fanless, DC 9-30V, AT, 2 COM, 4 USB, DVI, CompactFlash™
- **TF-AEC-6831-A2-1010**
Embedded Controller, Intel® Atom™ 1.6 GHz (N270), Fanless, DC 9-30V, AT, w/SATA Hard Disk Drive Kit, 2 COM, 4 USB, DVI, CompactFlash™
- **TF-AEC-6831-A3-1010**
Embedded Controller, Intel® Atom™ 1.6 GHz (N270), Fanless, DC 9-30V, AT, w/IDE Hard Disk Drive Kit, 2 COM, 4 USB, DVI, CompactFlash™

Optional Accessories

- **9741681002**
AC Input Adapter Kit, Input: AC90 ~264V, Output: DC 12V/3A
- **1702031802**
Power Cord (US type)
- **1702031803**
Power Cord (European type)
- **170203180E**
Power Cord (Japanese type)