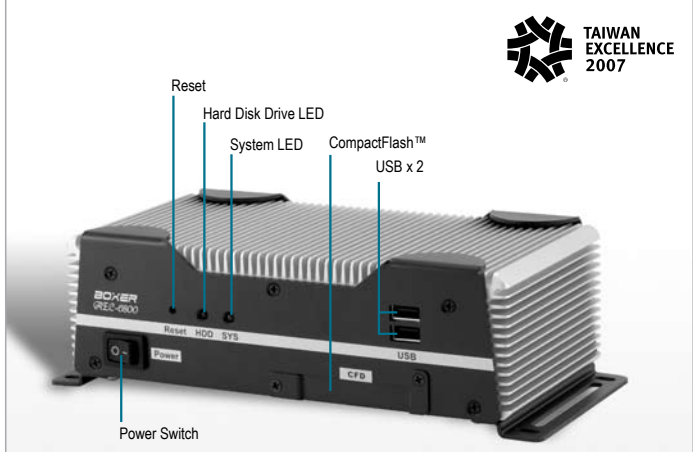
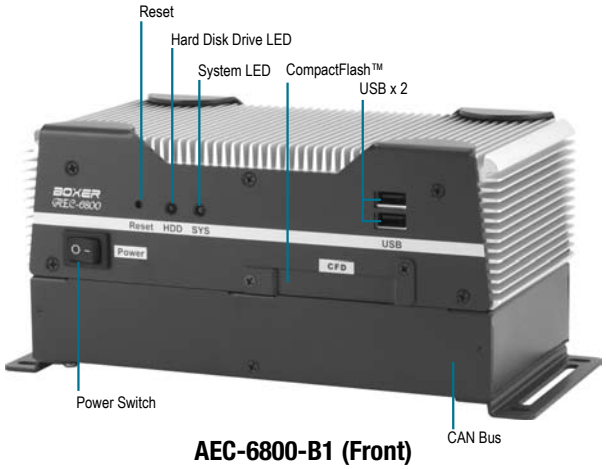
AEC-6800

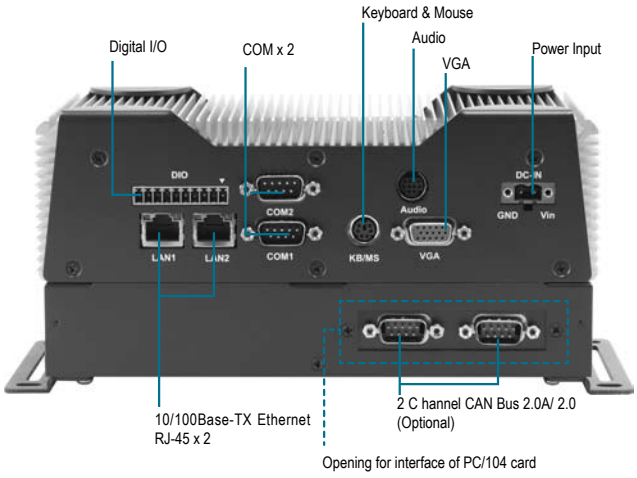
Fanless Embedded Controller With AMD GX2, PC/104 Expansion And CAN Bus



AEC-6800-A1 (Front)



AEC-6800-B1 (Front)



AEC-6800-B1 (Rear)

Features

- Low Cost & Compact
- Quick-Stack PC/104 Expansion Kit For Self Integration
- Optional CAN Bus Protocol Support For Vehicle & Medical Applications
- Wide Temperature Operating Design
- Excellent Anti-Vibration And Anti-Shock
- AT Power Function

Specifications

System	
Processor	AMD GX466 333 MHz Processor
Memory (Optional)	DDR SDRAM SODIMM x 1, Max. 512 MB
Expansion	Optional PC/104; Mini PCI for customization
VGA/ Keyboard/ Mouse	DB-15 VGA x 1, PS/2 Keyboard & Mouse x 1
Ethernet	10/100Base-TX, RJ-45 x 2
SSD	CompactFlash™ x 1
Hard Disk Storage	Optional 2.5" Hard Disk Drive bay
COM	RS-232 x 1, RS-232/422/485 x 1
Audio	Line-in/ Line-out/ MIC by an extension cable
USB	USBx 2
Digital I/O	4DI/ 4DO; 8DI or 8DO, setting by BIOS
CAN Bus	Optional 2 channel CAN bus 2.0A/ 2.0B
System Control	Power switch x 1
LED Indicator	Power LED x 1, Hard Disk Drive LED x 1
Watchdog Timer	Generates a time-out system reset, setting via software
Power Supply	DC 9V ~30V
Power Consumption	AMD GC466 333 MHz DDR333 512 MHz 0.85A@9V
MTBF (Hours)	80,000
OS Support	Windows® XP Embedded, Windows® XP, Windows® 7
Mechanical	
Construction	Rugged Aluminum Alloy chassis
Color	Dark Blue
Mounting	Wallmount; DIN rail
Dimension	A1: 8.4" x 2.5" x 4.2" (212mm x 64mm x 107mm) B1: 8.4" x 4.2" x 4.2" (212mm x 107mm x 107mm)
Carton Dimension	12"(W) x 7.87"(H) x 9.4"(D) (305mm x 200mm x 240mm)
Net Weight	4.75 lb (2.16 Kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature	-4°F ~ 176°F (-20°C ~ 80°C) — (CompactFlash™) -4°F ~ 140°F (-20°C ~ 60°C) — (Hard Disk Drive)
Storage Humidity	5% ~ 95% @ 40°C, non-condensing
Vibration	5 grms/ 5 ~ 500Hz/ random operation (Without HDD Module) 1 g/ 5 ~ 500Hz/ random operation (With HDD Module)
Shock	100g peak acceleration (11 msec. duration) -CompactFlash™ 15g peak acceleration (11 msec. duration) - Hard Disk Drive
EMC	CE/ FCC Class A

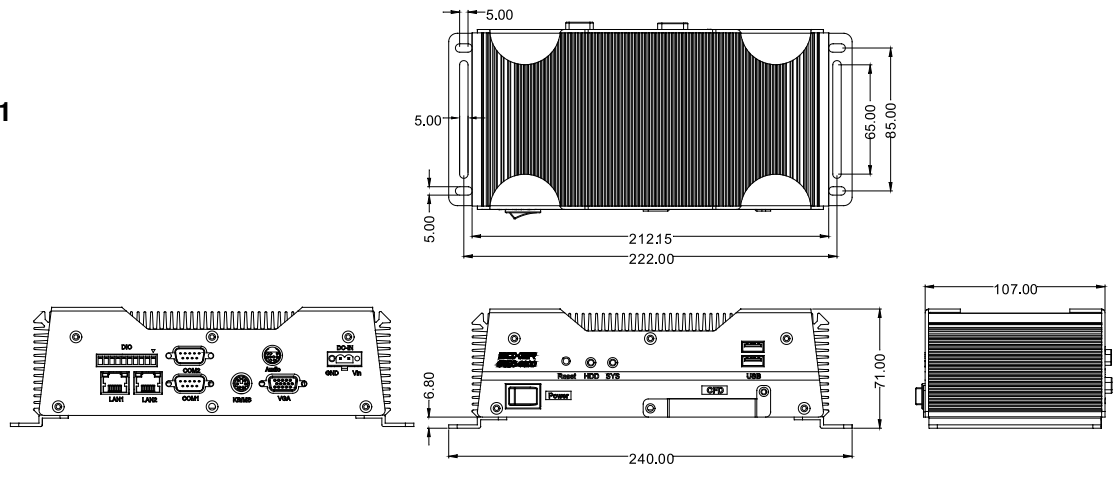
Note: All specifications are subject to change without notice.

AEC-6800

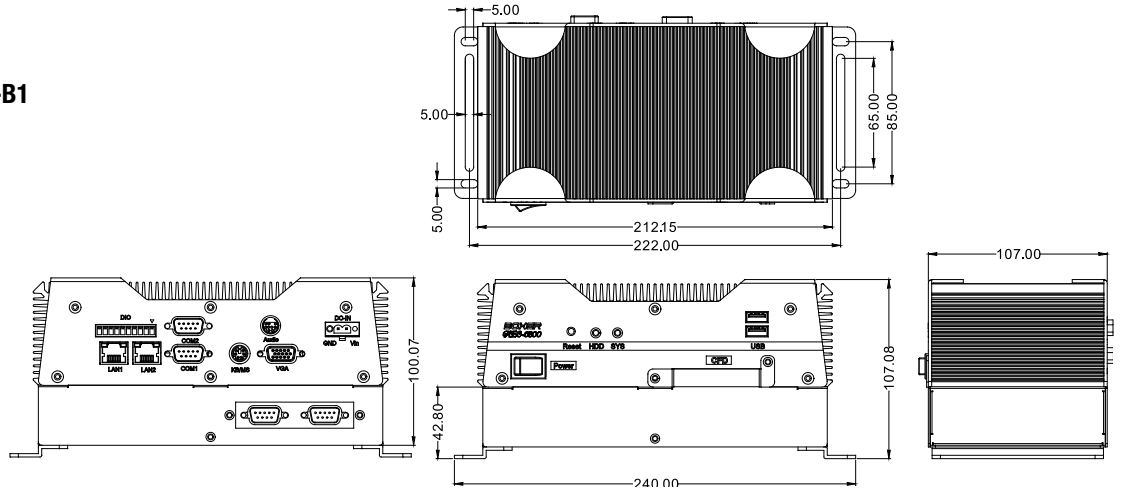
Dimension

Unit: mm

AEC-6800-A1



AEC-6800-B1



Ordering Information

- **TF-AEC-6800-A1**
  Embedded Controller, AMD GX466, 333 MHz, Fanless, DC9 ~ 30V
- **TF-AEC-6800-B1**
  Embedded Controller, AMD GX466, 333 MHz, Fanless, DC9 ~ 30V, 2 CAN ports
- **TF-AEC-6800-B2**
  Embedded Controller, AMD GX466, 333 MHz, Fanless, DC9 ~ 30V, 2 CAN ports, 1 Hard Disk Drive Kit

Optional Accessories

- **9741681001**
  Hard Disk Drive Kit for AEC-6800-A1
- **9741681002**
  AC Input Adapter Kit (36W), Input: AC 90 ~ 264V; Output: DC 12V
- **9741681003**
  DIN Rail Kit
- **9741681004**
  Ultra Cooling Kit
- **9741666643**
  1.8g rms Vibration Protection Hard Disk Drive Kit for AEC-6800-A1
- **9741681006**
  Easy I/O Display Kit
- **9741681008**
  Slim CD-ROM + 2.5" Hard Disk Drive Kit for AEC-6800-A1
- **9783204012**
  Automotive Hard Disk Drive 40G