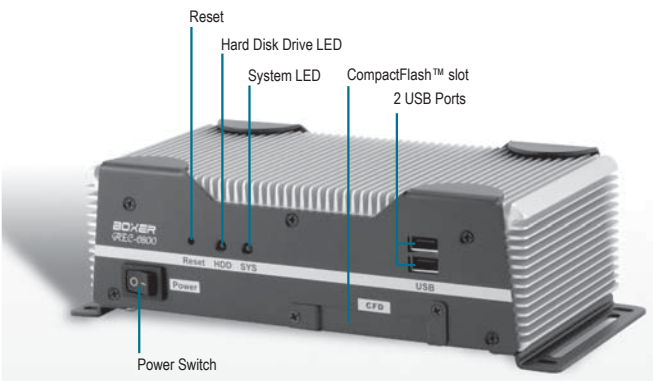# AEC-6800

AAEON®

Computing Platform Service Partner

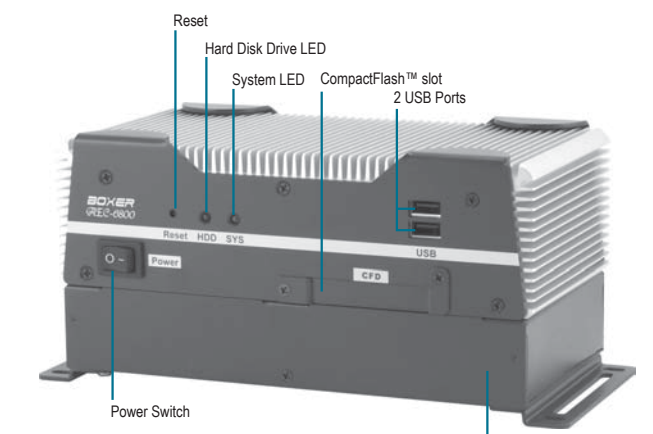## Fanless Embedded Controller with AMD GX2, PC-104 Expansion and CAN Bus

AEC-6800-A1 (Front)

Reset
Hard Disk Drive LED
System LED
CompactFlash™ slot
2 USB Ports
Power Switch

AEC-6800-B1 (Front)

Reset
Hard Disk Drive LED
System LED
CompactFlash™ slot
2 USB Ports
Power Switch
CAN Bus

AEC-6800-B1 (Rear)

Digital I/O Port
2 COM Ports
Keyboard & Mouse
Audio
VGA
Power input
2 10/100 Base-TX Ethernet LAN Ports
2 channel CAN Bus 2.0A/ 2.0 (Optional)
Opening for interface of PC104 card

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*
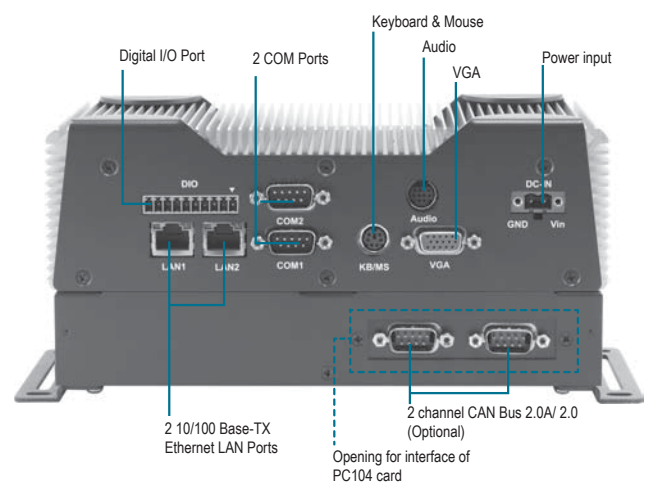- *Excellent Anti-vibration and Anti-shock*

100 LAN   AGP 4X   Audio   Microsoft Windows CE .net   CE   FC
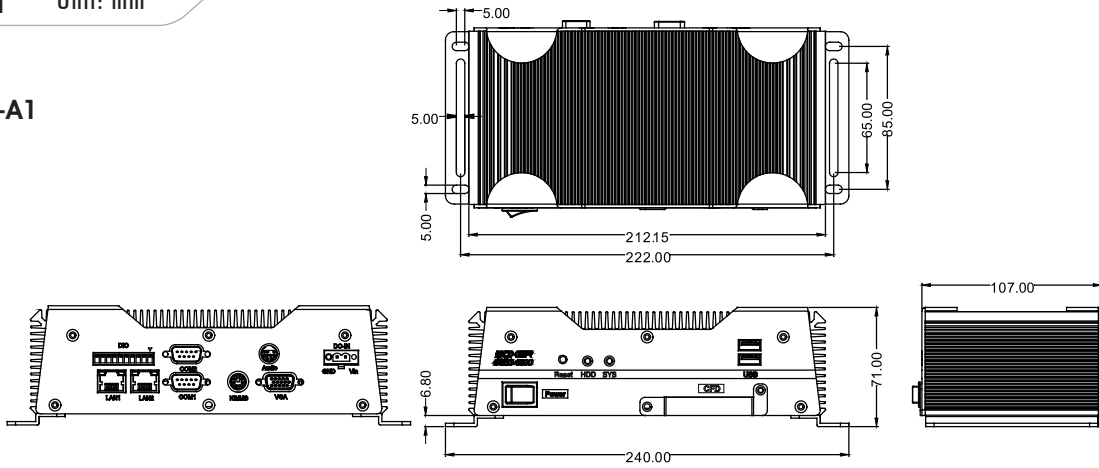
Specifications

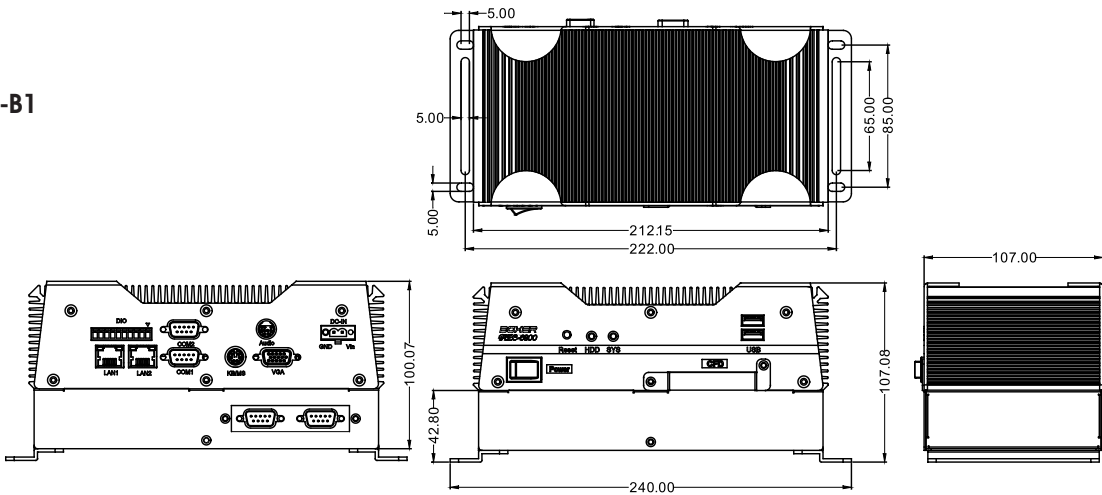| System	
Processor	AMD GX466 333MHz Processor
Memory (Optional)	DDR SDRAM SODIMM x 1, Max. 512MB
Expansion	Optional PC 104; Mini PCI for customization
VGA/ Keyboard/ Mouse	DB-15 VGA Connector x 1, PS/2 Keyboard & Mouse
Ethernet	10/100Base-TX RJ-45 connector x 2
SSD	CompactFlash™ Socket x 1
Hard Disk Storage	Optional 2.5" Hard Disk Drive bay
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Audio	Line-in/ Line-out/ MIC
USB	USB port x 2
Digital I/O	4DI/ 4DO; 8DI or 8DO
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 Requirement	DC 9V ~30V
OS Support	Windows® XP Embedded, Windows® XP, Windows® 2000
Mechanical	
Construction	Rugged Aluminum Alloy chassis
Color	Blue
Mounting	Wallmount; DIN rail
Dimension	A1: 8.35" x 2.53" x 4.2" (212.15mm x 64.2mm x 107mm) B1: 8.35" x 4.2" x 4.2" (212.15mm 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	32°F ~ 149°F (0°C ~ 65°C)
Storage Temperature	-4°F ~ 176°F (-20°C ~ 80°C)-- (CFD) -4°F ~ 140°F (-20°C ~ 60°C)-- (Hard Disk Drive)
Operating 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)
EMC	CE/ FCC class A

Note: All specifications are subject to change without notice.
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Computing Platform Service Partner

01 Medical Computing Solutions (ONYX Series) | Medical Station Solutions | Medical Display Solutions | Medical Fanless Mini PC

02 Operator Panel Solutions (OMNI Series)

03 Robust Panel PC Solutions

04 Fanless Embedded Controller Solutions (BOXER Series) | Embedded Control PC (BOXER S Series) | Embedded Control PC (BOXER Series) | Embedded Control PC (BOXER G Series)

05 Fanless Intelligent Transportation Controllers

06 Industrial & Sun-readable Monitors | Industrial Monitor Solutions | Sun-readable & Vehicle LCD Monitors

07 Industrial Workstation Solutions

08 Common Accessories

Dimension   Unit: mm

AEC-6800-A1

AEC-6800-B1

Ordering Information

- **TF-AEC-6800-A1**
  Fanless Embedded Controller with AMD GX466 333MHz CPU, DC9-30V
- **TF-AEC-6800-B1**
  Fanless Embedded Controller with AMD GX466 333MHz CPU, 2 CAN Bus Ports, DC9-30V

Optional Accessories

- **DDR SD RAM: 128MB/256MB/512MB**
- **CFD: 128MB/256MB/512MB/1GB**
- **Power Adapter (36W, AC 100~240V Input)**
- **Hard Disk Drive Kit for AEC-6800-A1**
- **Hard Disk Drive Kit for AEC-6800-B1**
- **DIN Rail Kit**
- **Smart I/O LCM Kit**
- **WLAN Kit (with Antenna)**
- **Industrial Grade CompactFlash™**
- **Wide Temperature CompactFlash™**
- **Wide Temperature High Speed CompactFlash™**
- **AP-HD9783204005**
  Automotive Hard Disk Drive 40G