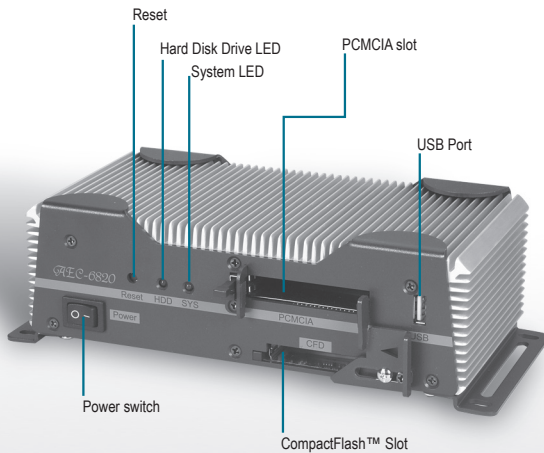


Fanless Embedded Controller with VIA Eden™ 667MHz/C3™ 1GHz CPU



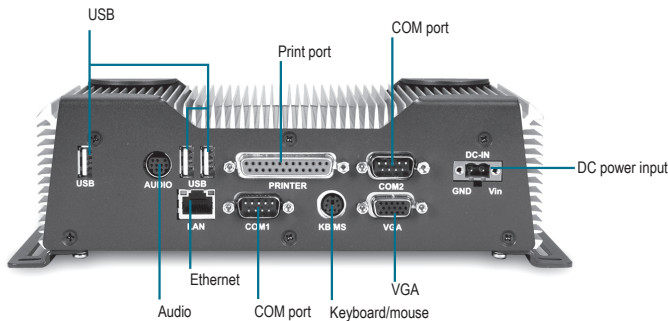
Features

- Fanless Design with VIA Eden™ 667MHz/C3™ 1GHz Processor
- 2 PCMCIA Slots for Expansion
- Embedded OS Windows® CE.net Porting Ready for Application
- Ethernet/ 2 COM/ 4 USB/ Audio
- Supports CompactFlash™ Memory and Optional Hard Disk Drive Module
- DIN Rail or Wallmount Design for Simple Installation



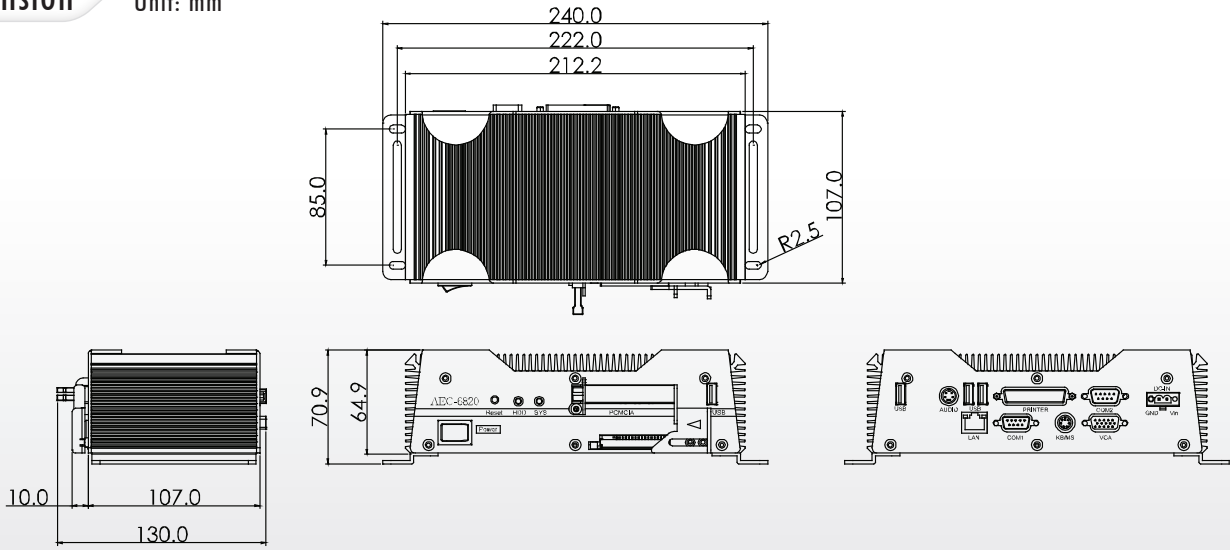
Specifications

System	
Processor	VIA Eden™ 667MHz/C3™ 1GHz Processor
System Memory	144-pin SDRAM SODIMM x 1, Max. 512MB (Optional)
Expansion	PCMCIA slot x 2
VGA/ Keyboard/ Mouse	DB-15 VGA Connector x 1, PS/2 Keyboard & Mouse
Ethernet	10/100Base-TX RJ-45 connector x 1
SSD	Type II CompactFlash™ slot x 1
Hard Drive Bay	Optional 2.5" Slim Hard Disk Drive Module
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Audio	Mic-in/ Line-in/ Line-out , by extension cable
USB	4 USB 1.1 ports
Parallel Port	1 Print port
System Control	Power on/ off switch x 1, Reset button x 1
LED Indicator	Power LED x1, Hard Disk Drive active LED x 1
Watchdog Timer	Generates a time-out system reset, setting via software
Power Supply	1. DC Input
	Internal DC-DC Converter (Standard)
	Input voltage: 9V DC ~ 30V DC
2. AC Input	External Power Adapter (Optional)
	Output voltage: 36W (+12V@3A)
	Input voltage: 100V AC ~ 240V AC @ 50 ~ 60Hz
OS Support	Windows® CE .NET 4.2, Windows® XP Embedded, Windows® XP, Windows® 2000
Mechanical	
Construction	Rugged Aluminum Alloy chassis
Color	Dark Blue
Mounting	DIN Rail, Wallmount
Dimension	8.35" (W) x 2.53" (H) x 4.21" (D) (212mm x 64mm x 107mm)
Carton Dimension	12" (W) x 7.87" (H) x 9.4" (D) (305mm x 200mm x 240mm)
Net Weight	4.75lb (2.16kg)
Gross Weight	8.36lb (3.8kg)



Dimension

Unit: mm



Environmental	
Operating Temperature	5°F ~ 140°F (-15°C ~ 65°C)---667MHz (CFD) 32°F ~ 122°F (0°C ~ 50°C)---667MHz (Hard Disk Drive) 5°F ~ 113°F (-15°C ~ 45°C)---1GHz (CFD) 32°F ~ 104°F (0°C ~ 40°C)---1GHz (Hard Disk Drive)
Operating Humidity	5~95%@40°C, non-condensing
Vibration	6 g rms/ 5 ~ 500Hz/ random operation (CFD) 1 g/ 5 ~ 500Hz/ random operation (Hard Disk Drive)
Shock	100g peak acceleration (11 msec. duration) (CFD) 15g peak acceleration (11 msec. duration) (Hard Disk Drive)
EMC	CE/ FCC class B, UL (Supports 9~18V DC input Only)

Ordering Information

- **AEC-6820B-A1**
Embedded Controller, VIA Eden™ 667MHz, Fanless, 2 PCM, DC 9-30V
- **AEC-6820B-A2**
Embedded Controller, VIA C3™ 1GHz, Fanless, 2 PCM, DC 9-30V

Optional Accessories

- **9741681001**
Hard Disk Drive Kit
- **9741681002**
AC Input Adapter Kit
- **9741681003**
DIN Rail Kit
- **9741681004**
Ultra Cooling Kit
- **9741666643**
1.8 g rms Vibration Protection Hard Disk Drive Kit for Vehicle
- **9681681000**
USB to Parallel Port Adapter Kit
- **9789666605**
USB to 4 Serial Ports Converter
- **9789666606**
USB to 2 Serial Ports Converter
- **9741081006**
Easy I/O Module
- **9741681007**
UPS Battery Module
- **9789666614**
GPS Module
- **9741681008**
Slim CD ROM + 2.5" Hard Disk Drive Kit

01
Medical Station
Solutions
- ONYX Series

02
Medical Display
Solutions
- ONYX Series

03
Operator Panel
Solutions
- OMNI Series

04
Robust Panel
PC Solutions

05
Industrial
Workstation
Solutions

06
Industrial
Monitor
Solutions

07
Embedded
Controller
- BOXER Series

08
Accessory
Sun-readable
LCD Monitors

09
Accessory
Vehicle High
Brightness LCD
Monitors

10
Common
Accessories