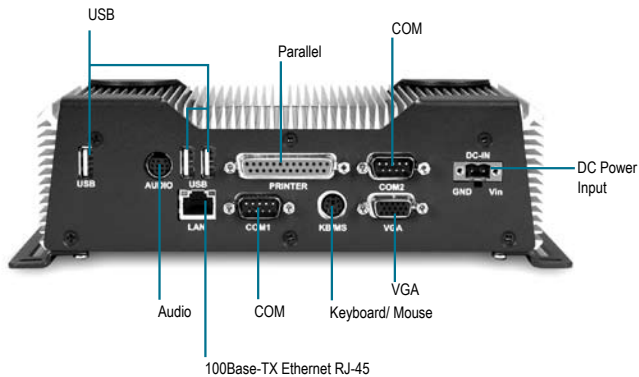
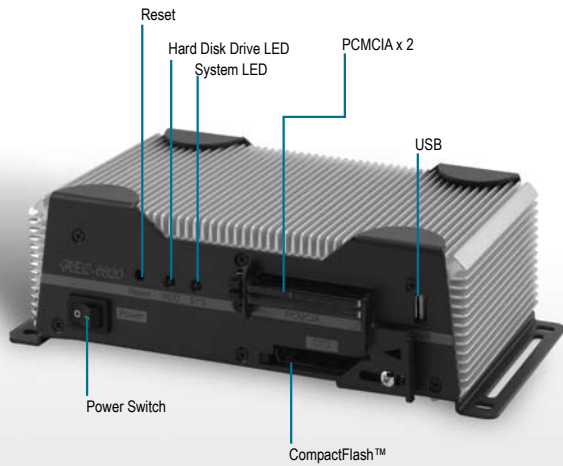


■ Fanless Embedded Controller With VIA Eden™ 667 MHz/ C3™ 1 GHz Processor



## Features

- Fanless Design With VIA Eden™ 667 MHz/ C3™ 1 GHz Processor
- 2 PCMCIA Slots For Expansion
- Embedded OS Windows® CE.Net Porting Ready For Application
- Ethernet x 1/ COM x 2, USB1.1 x 4/ Audio x 1
- Supports CompactFlash™ Memory And Optional Hard Disk Drive Kit
- DIN Rail Or Wallmount Design For Easy Installation
- AT Power Function



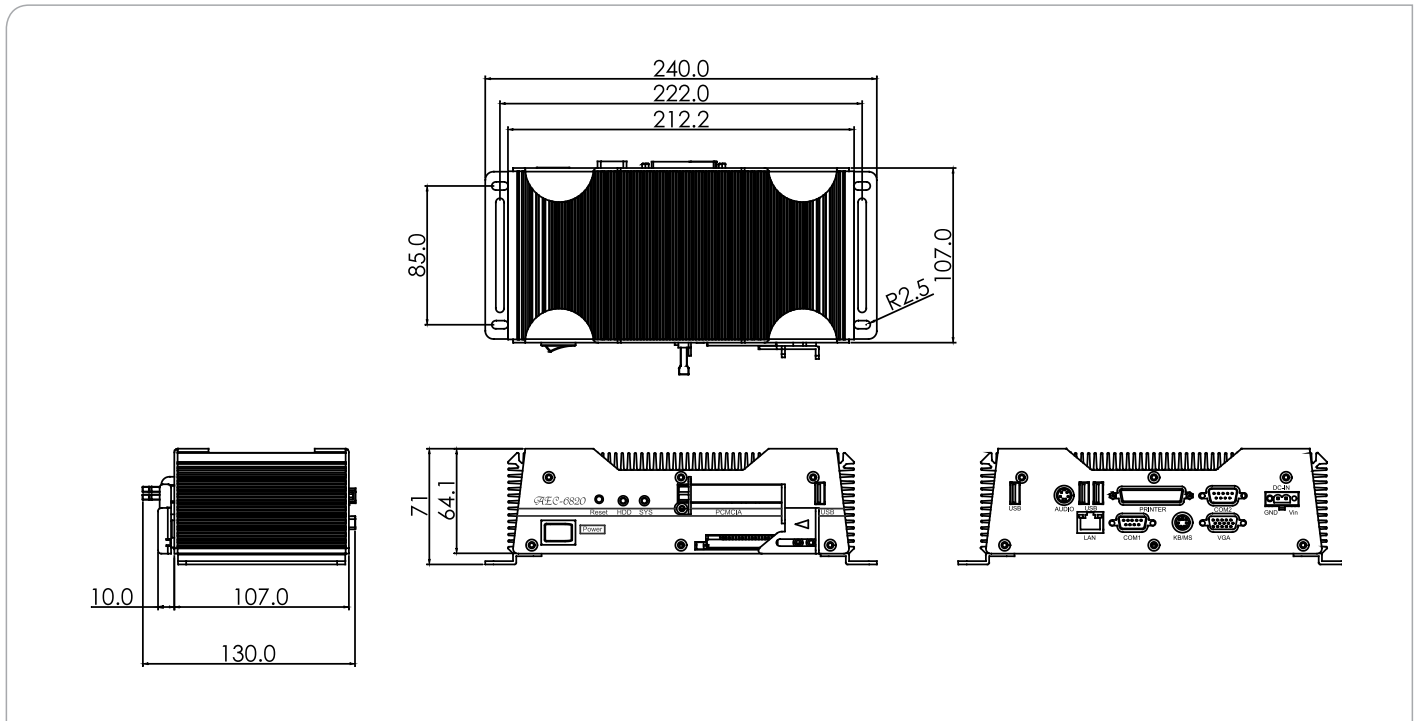
## Specifications

System		
Processor	VIA Eden™ 667 MHz/ C3™ 1 GHz Processor	
Memory (Optional)	144-pin SDRAM SODIMM x 1, Max. 512 MB (Optional)	
Expansion	PCMCIA x 2	
VGA/ Keyboard/ Mouse	DB-15 VGA x 1, PS/2 Keyboard & Mouse x 1	
Ethernet	100Base-TX Ethernet, RJ-45 x 1	
SSD	Type II CompactFlash™ x 1	
Hard Disk Storage	Optional 2.5" Slim Hard Disk Drive Module	
COM	RS-232 x 1, RS-232/422/485 x 1	
Audio	Mic-in/ Line-in/ Line-out, by an extension cable	
USB	USB1.1 x 4	
Parallel	Printer x 1	
System Control	Power on/ off switch x 1, Reset button x 1	
LED Indicator	Power LED x 1, 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
Power Consumption	VIA Eden™ 667 MHz 1.23A @12V	
MTBF (Hours)	70,000	
OS Support	Windows® CE .NET 4.2, Windows® XP Embedded, Windows® XP, Windows® 2000, Windows® 7	
Mechanical		
Construction	Rugged Aluminum Alloy chassis	
Color	Dark Blue	
Mounting	DIN Rail, Wallmount	
Dimension	8.4" (W) x 2.5" (H) x 4.2" (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	4.75 lb (2.16 Kg)	
Gross Weight	8.36 lb (3.8 Kg)	
Environmental		
Operating Temperature	5°F ~ 149°F (-15°C ~ 65°C) — 667 MHz (CompactFlash™)	
	32°F ~ 122°F (0°C ~ 50°C) — 667 MHz (Hard Disk Drive) 5°F ~ 113°F (-15°C ~ 45°C) — 1 GHz (CompactFlash™) 32°F ~ 104°F (0°C ~ 40°C) — 1 GHz (Hard Disk Drive)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C) — CompactFlash™	
Storage Humidity	5~95%@40°C, non-condensing	
Vibration	6 g rms/ 5 ~ 500Hz/ random operation (CompactFlash™)	
	1 g/ 5 ~ 500Hz/ random operation (Hard Disk Drive)	
Shock	100g peak acceleration (11 msec. duration) (CompactFlash™)	
	15g peak acceleration (11 msec. duration) (Hard Disk Drive)	
EMC	CE/ FCC class B, UL (Supports 9~18V DC input Only)	

# AEC-6820B

## Dimension

Unit: mm



## Ordering Information

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

## Optional Accessories

- **9741681001**  
Hard Disk Drive Kit
- **9741681002**  
AC Input Adapter Kit (36W), Input: AC 90 ~ 264V; Output: DC 12V
- **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 COMs Converter
- **9789666606**  
USB to 2 COMs Converter
- **9741681006**  
Easy I/O Display Kit
- **9741681008**  
Slim CD-ROM + 2.5" Hard Disk Drive Kit
- **9783204012**  
Automotive Hard Disk Drive 40G