

AEC-6820B Fanless Embedded Control PC with VIA Eden™ 667MHz/C3™ 1GHz CPU



- 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 wall mount design for simple installation

The AEC-6820B is an Embedded Control PC with PCMCIA slots that supports different interfaces with wireless functions. Anti-vibration and high temperature tolerances are the main design features of the AEC-6820B. This allows the AEC-6820B to be installed in a rugged transportation environment despite high ambient vibration and temperature.

CPU	VIA Eden™ 667MHz/C3™ 1GHz processor
System Memory	144-pin SDRAM SODIMM x 1, max. 512MB
Expansion	PCMCIA slot x 2
VGA/Keyboard/Mouse	DB-15 VGA connector, PS/2 keyboard & mouse
Ethernet	10/100Base-TX RJ-45 connector x 1
SSD	Type II CompactFlash™ slot x 1
Hard Disk Storage	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	USB 1.1 port x 4
Parallel Port	Print port 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	<ol style="list-style-type: none"> 1. DC Input - Internal DC-DC converter (standard) Input voltage: 9VDC~30VDC Output voltage: +5V@6A 2. AC Input - External power adaptor (optional) Input voltage: 100VAC~240VAC@50~60Hz Output voltage: +12V@5V
OS Support	Windows® CE .NET 4.2, Windows® XP Embedded, Windows® XP, Windows® 2000
Construction	Rugged aluminum alloy chassis
Color	Dark blue
Mounting	DIN-Rail, wall mount
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)
Operating Temperature	5°F~149°F (-15°C~65°C) - 667MHz/CFD
Operating Humidity	5~95%@40°C, non-condensing
Vibration	6grms/5~500Hz/random operation (without hard disk drive module) 1grms/5~500Hz/random operation (with hard disk drive module)
Shock	100g peak acceleration (11msec. duration)
EMC	CE/FCC class B

Ordering Information

- AEC-6820B-A1 Embedded control PC, VIA Eden™ 667MHz, Fanless, 2 PCMCIA, DC 9-30V
- AEC-6820B-A2 Embedded control PC, VIA C3™ 1GHz, Fanless, 2 PCMCIA, DC 9-30V

AEC-6820B

Fanless Embedded Controller