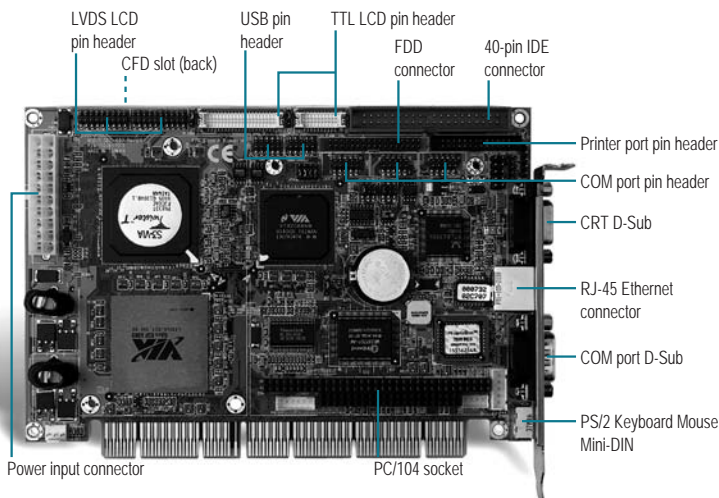


# SBC-657

## VIA C3™ Low Power Processor



### Specifications

System	
CPU	Onboard VIA C3™ 400/667/733/1000 MHz processor
System Memory	144-pin SDRAM SODIMM x 1, Max. 512MB (PC 100/133)
Chipset	VIA VT8606 + VT82C686B
I/O Chipset	VIA VT82C686B+Winbond W83977EF
Ethernet	Realtek 8139DL/8100BL, 10/100Base-TX RJ-45 connector x 1
BIOS	AWARD 256 KB FLASH ROM
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
SSD	Type II CompactFlash™ slot x 1
Expansion Interface	ISA interface PC/104 socket x 1
Battery	Lithium battery
Power Requirement	+5V, +12V. AT/ATX
Board Size	7.3"(L) x 4.8"(W) (185mm x 122mm)
Gross Weight	0.7lb (0.3kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Display	
Chipset	VIA VT8606
Memory	Shared system memory up to 32MB
Resolutions	up to 1600x1200@16bpp colors for CRT up to 1024x768@18bpp colors for LCD
LCD Interface	up to 36-bit dual channels TTL/LVDS TFT/DSTN LCD
I/O	
MIO	EIDE x 1(UDMA100 x 1), Floppy Disk Drive x 1, Keyboard+Mouse x 1, RS-232 x 3, RS-232/422/485 x 1, Parallel x 1
IrDA	One IrDA TX/Rx header
USB	Two 5x2 pin headers support 4 USB 1.1 ports

### Features

- Onboard VIA C3™ Low Power Processor
- 36/18-bit Dual Channels LVDS/TTL TFT/DSTN LCD
- Supports PC/104 slot
- Supports Type II CompactFlash™ Memory
- 4 COM / 4 USB



### Packing List

- 1701400453 ATA100 Cable
- 1701340702 FDD Cable
- 1701100305 Serial Port Cable
- 1701010302 Parallel+Serial Port Cable
- 1700060192 Keyboard and Mouse Cable
- 1709100201 USB Cable
- P90657B000 CF Cover
- Quick Installation Guide
- Utility CD
- SBC-657

### Ordering Information

- **SBC-657-B10**  
Half-size PCISA SBC.w/400 Eden, ATX Power Connector. 4USBs. 4COMs. LAN. LCD. Rev.B1.0
- **SBC-657I-B10-01**  
Half-size PCISA SBC.w/733 Eden, ATX Power Connector. 4USBs. 4COMs. LAN. LCD. Rev. B1.0
- **SBC-657I-B10-02**  
Half-size PCISA SBC.w/667 Eden, ATX Power Connector. 4USBs. 4COMs. LAN. LCD. Rev. B1.0
- **SBC-657I-B10-03**  
Half-size PCISA SBC.w/1000 Ezra, ATX Power Connector. 4USBs. 4COMs. LAN. LCD. Rev. B1.0

### Optional Accessories

- 1702200201  
Conversion Cable for ATX to AT Power Supply (200mm) for SBC-657/660, MB-662, PCM-6892/6893/6898, SBC-657/659/659P/780
- PCM-3538R-B10  
Daughter Board 18/24/36/48bit TTL Receiver, Rev.B1.0
- AEC-204S1-01  
4-slot Industrial Wallmount Chassis, PCISA, 150W, AT Power Supply, BP-204SS-P1, Filter
- OS-CE-420-657  
Windows® CE.NET(Rev.4.2) SDK for SBC-657, English Version
- CFC-032  
32MB CompactFlash™ Card, 3.3/5V, suggested for Windows® CE.NET image

1 Full-size SBC

2 Half-size SBC

3 Embedded Motherboards

4 Mini PCI Modules

5 Industrial backplanes

6 Industrial Chassis

7 Sun-readable LCD Monitors

8 Accessories