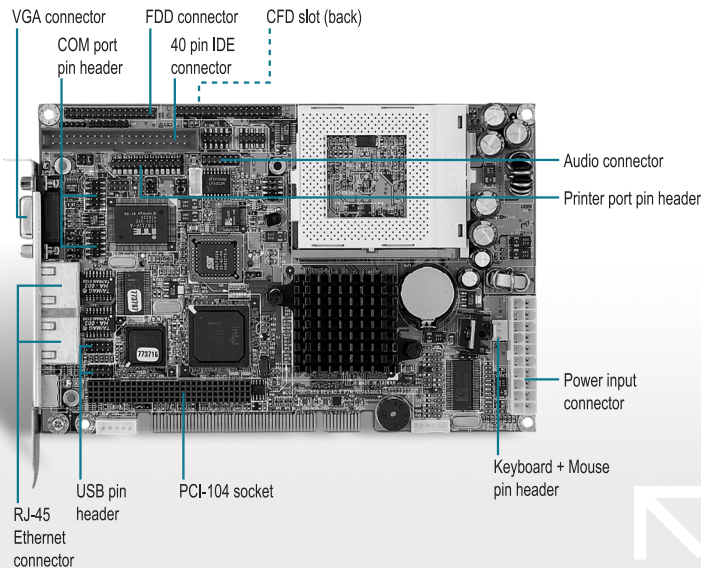


SBC-659

Industrial Computing Platform Partner

Intel® Pentium® III and Celeron® Processors



Features

- Supports Socket 370-based Intel® Pentium® III and Celeron® Processors
- AC-97 High-quality Audio
- Supports PCI-104 slot
- Supports Type II CompactFlash™ Memory
- 2 COM / 4 USB



Specifications

System	
CPU	Socket 370-based Intel® Pentium® III and Celeron® processors (.13µ / .18µ) support up to 1.4GHz with FSB 66/100/133MHz
System Memory	144-pin SDRAM SODIMM x 1, Max. 512MB (PC 66/100/133)
Chipset	Intel® 815E + 82801BA (ICH2)
I/O Chipset	ITE 8712F
Ethernet	Intel® GD82559 + 82562, 10/100Base-TX RJ-45 connector x 2
BIOS	AWARD 512KB 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	PCI interface, PCI-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	0.71b (0.3kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Display	
Chipset	Intel® 815E
Memory	Shared system memory up to 8MB with DVMT
Resolutions	up to 1280x1024@24bpp colors for CRT
I/O	
MIO	EIDE x 1(UDMA100 x 1), FDD x 1, Keyboard+Mouse x 1 RS-232 x 1, RS-232/422/485 x 1, Parallel x 1
IrDA	One IrDA TX/Rx header
Audio	Mic-in, Line-in, Line-out / Speaker-out
USB	Two 5x2 pin headers support 4 USB 1.1 ports

Packing List

- 1701400453 ATA100 Cable
- 1701340702 FDD Cable
- 1701100305 Serial Port Cable
- 1701010302 Parallel+Serial Port Cable
- 1700060192 Keyboard and Mouse Cable
- 1709140301 Audio+Serial Port Cable
- 1709100201 USB Cable
- P90657B000 CFD Cover
- Quick Installation Guide
- Utility CD
- SBC-659

Ordering Information

- **SBC-659-B11**
Half-size CPU Card, FC/Socket370, Dual LAN, Rev.B1.1

Optional Accessories

- **1759200152**
CPU Cooler Fan + Heat Sink, FCPGA, 3P, 12V, 1U Low Profile
- **1759200329**
CPU Cooler, for Socket 370, 3P, 12V, H=22mm
- **1702200201**
Conversion cable for ATX to AT Power Supply (200mm) for HSB-657I/660, MB-662, PCM-6892/6893/6898, SBC-657/659/659P/780
- **PCM-3533**
Audio Module with Bracket, Rev.A1.0
- **PCM-3536-A10**
Daughter Board TTL, PCM-3536, Rev.A1.0
- **PCM-3538R-B10**
Daughter Board 18/24/36/48bit TTL Receiver, Rev.B1.0
- **PCM-3538T-A10**
Daughter Board TTL Transmitter, Rev.A1.0
- **PCM-3542A-A10**
Daughter Board TTL/LVDS, PCM-3542, Rev.A1.0
- **PCM-3542B-A10**
Daughter Board TTL, PCM-3542, Rev.A1.0
- **AEC-204P1-01**
4-slot Industrial Wallmount Chassis, Bare, with Power 150W, ATX, BP-204SS-P2, Filter