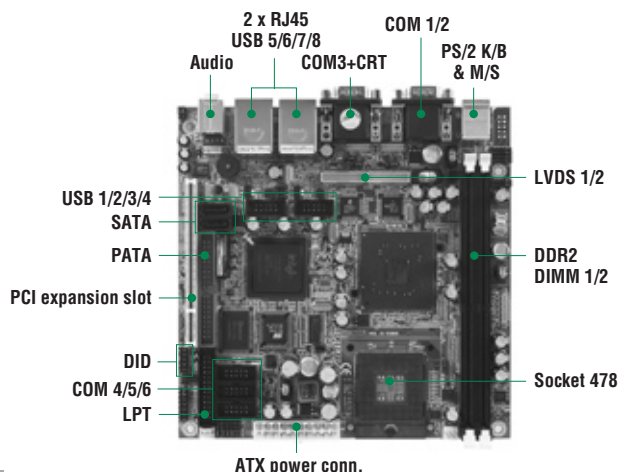


SBC86822

Mini ITX Embedded SBC with DualView, SATA and 6 COM ports

3

Single Board Computers



System

CPU	Socket 478 for Intel® Celeron® M processor with FSB 400MHz; ULV Intel® Celeron® M 1 GHz/0k
System Memory	2 x 240-pin DDR2 DIMM max. up to 2GB
Chipset	Intel® 910GML+ICH6M
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ Type-II with DMA mode support (optional)
Watchdog Timer	255 levels as SMI and Reset from 0~255 seconds
Expansion interface	PCI slot expansion for 2 PCI masters via riser card
Battery	Lithium 3V/196 mAh
Size	170 x 170 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

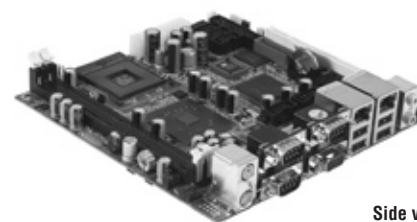
MIO	1 x PATA-100 IDE, 2 x SATA-150 IDE, 1 x PS/2 K/B, 1 x PS/2 M/S, 6 x COM (6 x RS-232), 1 x LPT
2 x Ethernet	Dual RTL 8111B for Gigabit Ethernet controllers
Audio	AC'97 codec audio
USB	8 USB 2.0 ports
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	4 channel IN and 4 channel OUT

Display

Chipset	Integrated in Intel® 910GML GMCH
Memory Size	Max. up to 128MB DVMT mode frame buffer sharing system memory
Resolution	* Standard Mode: CRT: 2048 x 1536; LVDS LCD: 1600 x 1200;
Output Interface	* CRT connector for DAC output * LVDS LCD with 1 x 40-pin connector

Features

- ▶ Socket 478 for Intel® Celeron® M processor with FSB 400 MHz
- ▶ Intel® 910GML+ICH6M chipset
- ▶ DualView with different content & resolution
- ▶ 8 USB 2.0 ports for high speed peripherals
- ▶ Serial ATA-150 supported
- ▶ 6 COM ports



Side view

Packing List

Standard			
Quick installation guide, manual, driver, CPU cooler, utility CD			
Cable			
Part Number	Description	SBC86822VGGA Qty	SBC86822VGGA-1GE Qty
593836A0030E	SATA power cable 150mm	1	1
593826A0000E	SATA signal cable 500mm	1	1
593836A0030E	SATA power cable 150mm	1	1
593826A0000E	SATA signal cable 500mm	1	1

Ordering Information

Standard	
SBC86822VGGA	Socket 478 Mini ITX SBC with CRT/LVDS LCD, dual Gigabit Ethernet (RTL8111B), AC'97 audio and 6 COM ports
SBC86822VGGA-1GE	Mini ITX SBC with ULV Intel® Celeron® M 1 GHz/0K CPU onboard, CRT/LVDS LCD, dual Gigabit Ethernet (RTL8111B), AC'97 audio and 6 COM ports



SBC Services and Solutions

System-on-a-Module Solutions

Embedded Single Board Computers

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix