

STX88810

Intel® Pentium® M STX SoM with TTL/LVDS LCD, DVO and Multiple I/O Features

Embedded Computing Platforms



ECP Services and Solutions

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PC/104 Modules

Mini PCI Modules

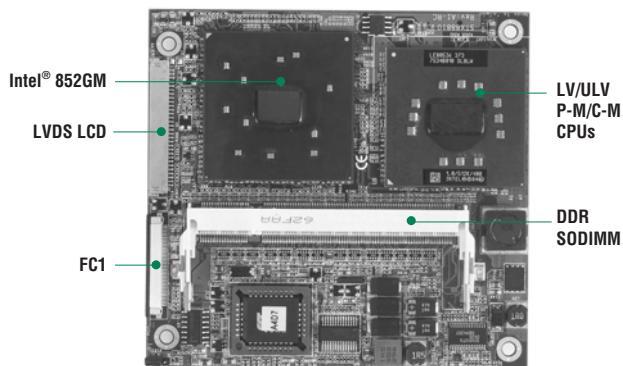
Accessories

Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

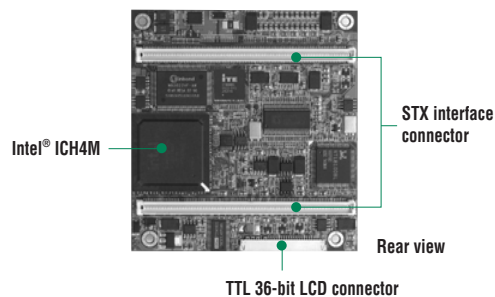
Power Supplies

Appendix



Features

- ▶ Low power Intel® Pentium® M/Celeron® M processor onboard
- ▶ Intel® 852GM+ICH4+ITE8888G chipset
- ▶ DualView with different content & resolution
- ▶ 2 UARTs and 4 USB 2.0 supported
- ▶ TTL/LVDS LCD supported
- ▶ FC3 for DVO interface



System

CPU	LV Intel® Pentium® M 1.4GHz or ULV Intel® Celeron® M 1.0G processor onboard
System Memory	1 x 200-pin DDR400 SODIMM max. up to 1GB
Chipset	Intel® 852GM+ICH4+ITE8888G
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	PCI and ISA through STX interface
Battery	Lithium 3V/196 mA
Size	96 x 90 mm
Temperature	0~60°C (fan required); 0~55°C (fanless)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x PATA-100 IDE, 1 x FDD, 1 x PS/2 K/B, 1 x PS/2 MS, 2 x UARTs, 1 x LPT, 1 x IrDA
Ethernet	Onboard Realtek RTL8139DL Fast Ethernet controller
Audio	AC-link interface
USB	4 USB 2.0 ports via box-header for wiring solution

Display

Chipset	Integrated in Intel® 852GM GMCH
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	* Standard Display Mode: CRT: 1920 x 1440@60Hz; LCD: 1400 x 1050@60Hz
Output Interface	* CRT for DAC output * 18-bit TTL LCD through STX interfaces * LVDS LCD through on module connector * FC3 for DVO signal output for 2nd LVDS or DVI converting solution

Packing List

- Quick installation guide
- Manual, driver and utility CD

Ordering Information

Standard	
STX88810VEA-1GE (Fanless)	Intel® Celeron® M 1GHz/ZC STX SoM with CRT/TTL/LCD/LVDS LCD, Fast Ethernet and AC-link
STX88810VEA-600 (Fanless)	Intel® Celeron® M 600MHz/512KB STX SoM with CRT/TTL/LCD/LVDS LCD, Fast Ethernet and AC-link
Optional	
STX88810VEA-1G (Fanless)	C-M 1GHz/512KB STX SoM with CRT/TTL LCD/LVDS (Fanless) LCD, Fast Ethernet and AC-link
STX88810VEA-1.4G (with Fan)	P-M 1.4GHz STX SoM with CRT/TTL LCD/LVDS LCD, Fast Ethernet and AC-link
STB86600	ATX form factor Baseboard
STB97100	5.25" Petit form factor Baseboard
STB97101	5.25" Petit form factor Baseboard with 3 Mini PCI and CardBus expansion
STB97200	3.5" Capa form factor Baseboard with TV-out and CardBus expansion
STB97300	PC/104+ form factor Baseboard with DOC, Audio and D I/O supported