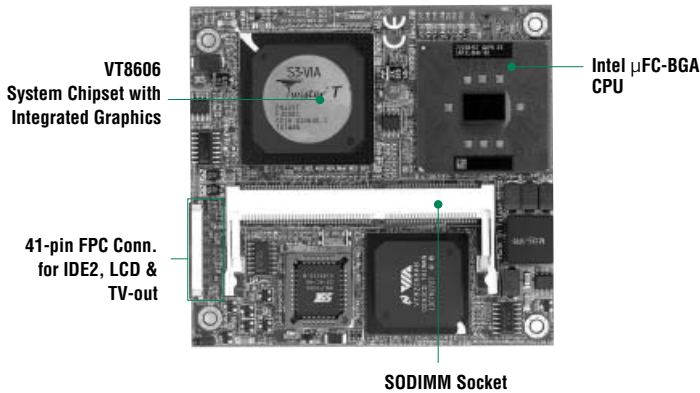


# STX88601

Intel®  $\mu$ FC-BGA SoM with Multiple I/O Features



## Features

- ▶ Ultra low power CPU less than 4 watt
- ▶ CRT, full LCD (TFT/STN/DSTN) and TV-out
- ▶ 10/100Base-T Ethernet
- ▶ AC-Link interface for external audio
- ▶ 2 UARTs
- ▶ PCI master and ISA buses expansion

## Packing List

- Quick installation guide
- Manual, driver and Utility CD

## Ordering Information

Standard	
STX88601VEA-400	STX88601 with Intel® Celeron® 400MHz CPU, CRT/LCD, Ethernet and AC-Link interface
STX88601VEA-650	STX88601 with Intel® Celeron® 650MHz CPU, CRT/LCD, Ethernet and AC-Link interface
STX88601VEA-933	STX88601 with Intel® PIII 933MHz CPU, CRT/LCD, Ethernet and AC-Link interface
Optional	
STB86600	ATX form factor Baseboard
STB97101	5.25" petit form factor Baseboard with 3 Mini PCI & Double Deck CardBus
STB97100	5.25" petit form factor Baseboard
STB97200	3.5" capa form factor Baseboard
STB97300	PC/104 form factor Baseboard

## System

CPU	Onboard Intel® $\mu$ FC-BGA Celeron® (400/650MHz) and Pentium® III (933MHz) processor
System Memory	1 x SDRAM SODIMM, Max. 512MB
Chipset	VIA VT8606 (Twister-T) + 82C686B
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN boot ROM, SmartView and customer CMOS backup
Expansion Interface	PCI and ISA through STX interfaces
Battery	Lithium 3V/196 mAh
Power Consumption	Max: LV-PIII 933: 5V @ 3.5A ULV-ICP 650: 5V @ 2.7A ULV-ICP 400: 5V @ 1.8A
Size/Weight	96 x 90mm, 0.103kg
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	2 x ATA-100 IDE, 1 x FDD, 1 x K/B + M/S, 2 x UARTs, 1 x LPT, 1 x IrDA
Ethernet	RTL8139C, 10/100Base-T with WOL
Audio	AC-Link interface for external AC'97 Audio codec
USB	4 x USB ports, USB 1.1a compliant

## Display

Chipset	VIA Twister chip with integrated S3 Savage4 2D/3D/Video Accelerator
Memory Size	8/16/32 MB frame buffer sharing system memory
Resolution	CRT mode: 1920 x 1440 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (85Hz) LCD/Simultaneous mode: 1600 x 1200 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (60Hz)
LCD Interface	AGP-4X CRT/LCD interface, support for 9, 12, 18, 24, 36-bit TFT and 16 or 24-bit DSTN panels up to SXGA resolution
TV-out (option)	Supports both NTSC/PAL, S-Video and composite Video via 41-pin FPC interface

## Dimensions

