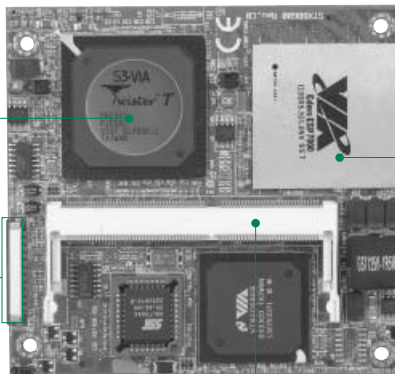


STX88602

VIA Eden SoM with Multiple I/O Features



VT8606
System Chipset with
Integrated Graphics



VIA EBGA CPU

41-pin FPC Conn.
for IDE2, LCD &
TV-out

SODIMM Socket

Features

- ▶ Low power VIA Eden CPU with fanless solution
- ▶ CRT, full LCD (TFT/STN/DSTN) and TV-out
- ▶ Fast Ethernet supported
- ▶ 2 UARTs and 4 USB 1.1a supported
- ▶ PCI master and ISA buses expansion

Packing List

Quick installation guide
Manual, driver and Utility CD

System

| | |
|---------------------|---|
| CPU | VIA Eden Onboard CPUs with 400/667/800/1GHz |
| System Memory | 144-pin SODIMM for max. up to 512MB |
| Chipset | VIA VT8606 + VT82C686B |
| BIOS | Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup |
| Expansion Interface | PCI and ISA through STX interface |
| Battery | Lithium 3V/196 mAH |
| Power Consumption | Typical: 5V @ 3.4A (Eden-800 +128MB) 5V @ 2.9A (Eden-667 +128MB) 5V @ 2.2A (Eden-400 +128MB) Max.: 5V @ 4.4A |
| Size | 96 x 90 mm |
| Temperature | 0~60°C, operation |
| Operation Humidity | 10% ~ 95% relative humidity, non-condensing |

I/O

| | |
|----------|---|
| MIO | 2 x PATA-100 IDE, 1 x FDD, 1 x K/B+M/S, 2 x UARTs, 1 x LPT, 1 x IrDA |
| Ethernet | Realtek RTL8100C Fast Ethernet controller |
| Audio | AC-link interface |
| USB | 4 x USB 1.1a ports via box-header for wiring solution |

Display

| | |
|-----------------|---|
| Chipset | VIA VT8606 with integrated S3 Savage graphics controller |
| Memory Size | Max. up to 32MB shared frame buffer memory |
| Resolution | * CRT Mode: 1280x1024@16bpp (60Hz), 1024x768@16bpp (85Hz) * LCD/Simultaneous Mode: 1280x1024@16bpp (60Hz), 1024x768@16bpp (60Hz) |
| LCD Interface | 4xAGP CRT/LCD interface, support for 9, 12, 18, 24, 36bit 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 and converter controller on Baseboard |

Ordering Information

| Standard | |
|------------------|--|
| STX88602VEA-400 | VIA Eden 400MHz CPU with CRT/LCD, Fast Ethernet (RTL8100C) and AC-link interface |
| STX88602VEA-667 | VIA Eden 667MHz CPU with CRT/LCD, Fast Ethernet (RTL8100C) and AC-link interface |
| STX88602VEA-800E | VIA Eden 800MHz CPU with CRT/LCD, Fast Ethernet (RTL8100C) and AC-link interface |
| Optional | |
| STX88602VEA-1GE | VIA Eden 1GHz CPU with CRT/LCD, Fast Ethernet(RTL8100C) and AC-Link interface |
| STB97101 | 5.25" Petit form factor Baseboard |
| STB86600 | ATX form factor Baseboard |
| STB97100 | 5.25" Petit form factor Baseboard |
| STB97200 | 3.5" Capa form factor Baseboard |
| STB97300 | PC/104 form factor Baseboard |

Dimensions

