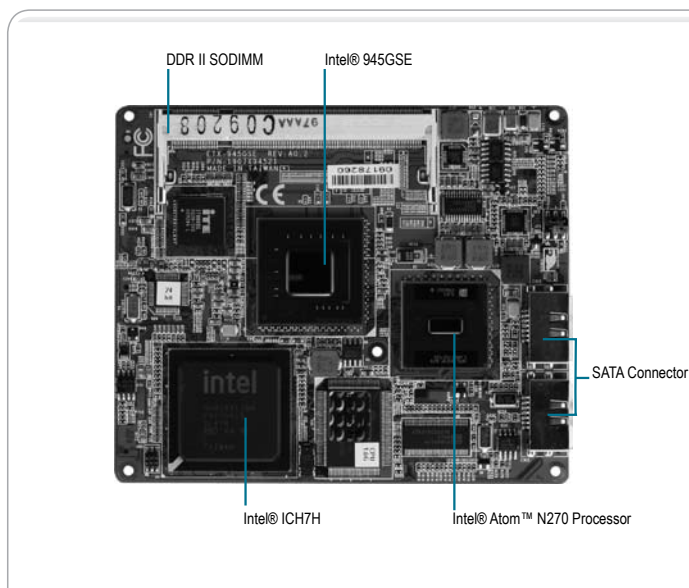


■ ETX CPU Module with Onboard Intel® Atom™ N270 Processor



Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7M
- SODIMM DDRII 400/533 Memory, Max. 2 GB
- 10/100Base-TX Ethernet
- CRT, Up to 24-bit Dual-channel LVDS LCD, TV, SDVO Connector x 1
- AC97 2.3 CODEC 2CH Audio
- PATA x 1, SATA II x 2 (on Module)
- USB2.0 x 4, COM x 2
- +5V Only Operation



Specifications

| System | |
|-----------------------------|---|
| Form Factor | ETX |
| Processor | Onboard Intel® Atom™ N270 Processor 1.6 GHz, FSB 533 MHz |
| System Memory | 200-pin DDRII SODIMM x1, Max. 2 GB (DDRII 400/533) |
| Chipset | Intel® 945GSE + ICH7M |
| I/O Chipset | WINBOND W83627HG |
| Ethernet | Intel® EP82562ET, 10/100Base-TX |
| BIOS | Award, SPI type, 2 MB ROM |
| Wake on LAN | Yes |
| Watchdog Timer | Generates a time-out system reset |
| H/W Status Monitoring | Supports power supply voltages, fan speed and temperature monitoring |
| Expansion Interface | 32-bit PCI x 4 8-bit/ 16-bit ISA SMBus x 1 I2C x 1 |
| Battery | Lithium battery |
| Power Requirement | +5V DC |
| Power Consumption (Typical) | Atom™ N270 1.6 GHz, DDRII 667 2 GB 0.22A@+12V, 2.21A@+5V W/ TF-ECB-902M-A10 |
| Board Size | 4.5" (L) x 3.74" (W) (114mm x 95mm) |
| Gross Weight | 0.66 lb (0.3kg) |
| Operating Temperature | 32°F ~ 140°F (0°C ~ 60°C) |
| Storage Temperature | -40°F ~ 176°F (-40°C ~ 80°C) |
| Operating Humidity | 0% ~ 90% relative humidity, non-condensing |
| MTBF (Hours) | 98,000 |
| Display | |
| | Supports CRT/LCD, CRT/TV, LCD/TV Dual Simultaneous/ Dual View Displays |
| Chipset | Intel® 945GSE integrated |
| Memory | Shared system memory up to 224 MB |
| Resolutions | Up to 2048 x 1536 (QXGA) for CRT Up to 1600 x 1200 (UXGA) for LCD |
| LCD Interface | 18-bit dual-channel LVDS (TF-ETX-945GSE-A10) 24-bit dual-channel LVDS (TF-ETX-945GSE-A10-01) |
| SDVO port | SDVO x 1 for TF-ETX-945GSE-A10 |
| TV-Out | Intel® 945GSE integrated, support NTSC/PAL Support Composite Video, S-Video on the carrier board |
| I/O | |
| Storage | PATA x 1 (two devices), SATA II x 2 (on module) |
| Serial Port | 2 |
| Parallel Port | 1 |
| Universal Serial Bus | USB2.0 x 4 |
| PS/2 Port | Keyboard x 1, Mouse x 1 |
| IrDA | One IrDA Tx/Rx header |
| Audio (Daughter Board) | Mic-in, Line-in, Line-out |

Packing List

- M2.5 Screw x 4
- Utility CD
- ETX-945GSE

Ordering Information

- **TF-ETX-945GSE-A10**
ETX Board, N270 Onboard, DDRII, LAN, Audio, 2COM, USB2.0, Rev. A1.0 (18-bit Dual Channel LVDS)
- **TF-ETX-945GSE-A10-01**
ETX Board, N270 Onboard, DDRII, LAN, Audio, 2COM, USB2.0, Rev. A1.0 (24-bit Dual Channel LVDS)

Optional Accessories

- **TF-ECB-902M-A10**
ETX Carrier Board, LAN, Audio, 4COM, USB2.0, PCI, ISA, AT/ATX, Rev.A1.0 (For ETX-945GSE, ETX-CX700M, ETX-855, ETX-821, ETX-701, ETX-700)
- **TF-PER-A047**
Passive Heatsink, for Onboard CPU
- **TF-PER-A049**
Heat Spreader Kit, for Onboard CPU
- **TF-PER-V03B-A10-02**
SDVO to DVI Module
- **TF-PER-V04B-A10-02**
SDVO to LVDS Module