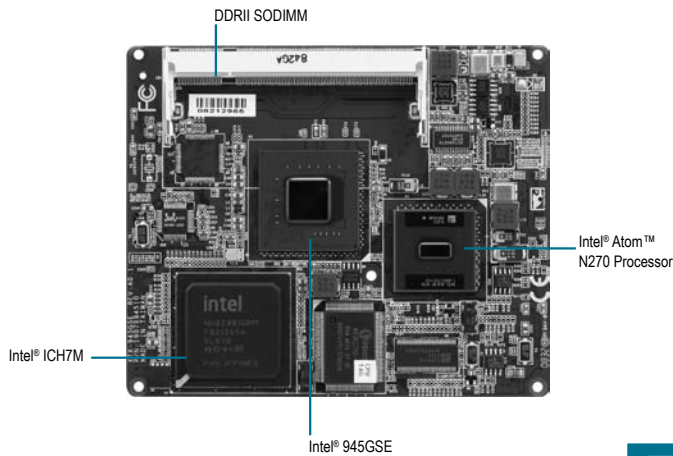


# XTX-945GSE

## XTX CPU Module with Onboard Intel® Atom™ N270 Processor



### Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7M
- DDRII 400/533 Memory, Max. 2GB
- 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
- USB2.0 x 6
- PCI-Express [x1] x 4
- +5V Only Operation



### Specifications

System	
Form Factor	XTX
Processor	Onboard Intel® Atom™ N270 Processor 1.6GHz, FSB 533MHz
System Memory	200-pin DDRII SODIMM x 1, Max. 2GB (DDRII 400/533)
Chipset	Intel® 945GSE + ICH7M
I/O Chipset	WINBOND W83627HG
Ethernet	Intel® EP82562ET, 10/100Base-TX
BIOS	Award
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	PCI-Express [x1] x 4 32-bit PCI x 4 LPC bus x 1 SMBus x 1 I2C x 1
Power Requirement	+5V DC
Power Consumption (Typical)	Atom™ N270 1.6GHz, DDRII 667 2GB 0.44A@+12V, 2.60A@+5V W/ TF-ECB-910M-A10-01
Board Size	4.5" (L) x 3.74" (W) (114mm x 95mm)
Gross Weight	0.66 lb (0.3 Kg)
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)	104,000
Display	
Chipset	Supports CRT/LCD, CRT/TV, LCD/TV Simultaneous/ Dual View Display
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224MB/ DVMT3.0
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-XTX-945GSE-A10) 24-bit dual-channel LVDS (TF-XTX-945GSE-A10-01)
SDVO Port	SDVO Port x 1 for TF-XTX-945GSE-A10-01
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
Serial Port	2
Parallel Port	1
USB	USB 2.0 x 6
PS/2 Port	Keyboard x 1, Mouse x 1
IrDA	One IrDA Tx/Rx header
Audio	Mic-in, Line-in, Line-out

### Packing list

- Utility CD
- XTX-945GSE

### Ordering Information

- **TF-XTX-945GSE-A10**  
XTX Board, Onboard Intel® Atom™ N270, SDVO, DDRII, LAN, Audio, 2COM, USB2.0, Rev.A1.0 (18-bit Dual-channel LVDS)
- **TF-XTX-945GSE-A10-01**  
XTX Board, Onboard Intel® Atom™ N270, DDRII, LAN, Audio, 2COM, USB2.0, Rev.A1.0 (24-bit Dual-channel LVDS)

### Optional Accessories

- **TF-ECB-910M-A10-01**  
XTX Carrier Board, LAN, Audio, 4COM, USB, PCI-E, 2 SATA, TPM, AT/ATX, Rev. A1.0 (For XTX-945, XTX-945GSE)
- **TF-PER-A044**  
CPU Cooler, for Socket-type CPU, W/ 12V fan
- **TF-PER-A045**  
CPU Cooler, for Onboard CPU, W/ 12V fan
- **TF-PER-A046**  
Passive Heatsink, for Socket-type CPU
- **TF-PER-A047**  
Passive Heatsink, for Onboard CPU
- **TF-PER-A048**  
Heat Spreader Kit, for Socket-type 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