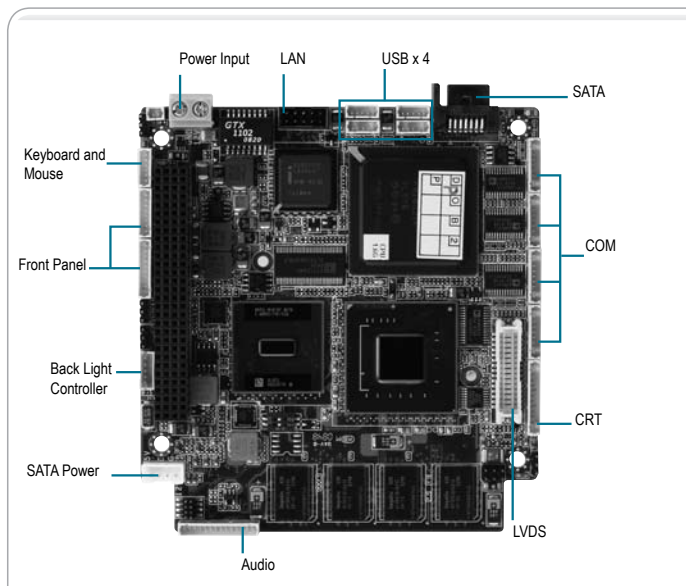


PC/104 CPU Module With Onboard Intel® Atom™ N270 Processor



Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7M
- Onboard DDRII 400/533 Memory 512 MB/ 1 GB
- 10/100Base-TX Ethernet x 1
- CRT & Up To 18-bit Dual-Channel LVDS LCD
- AC97 2.3 Codec Audio
- SATA x 1, CompactFlash™ x 1
- USB2.0 x 4, COM x 4
- PCI/104-Express Expansion
- +12V Only Operation, AT/ATX Power Type



Specifications

System	
Form Factor	PC/104
Processor	Onboard Intel® Atom™ N270 (1.6 GHz) Processor
System Memory	Onboard DDRII 400/533 Memory 512 MB/ 1 GB
Chipset	Intel® 945GSE + ICH7M
I/O Chipset	SMSC SCH3114
Ethernet	Intel® 82551ER, 10/100Base-TX, RJ-45 x 1
BIOS	Award Plug & Play BIOS - 2 MB ROM
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	PCI/104-Express (PCI-104 & PCIe/104)
Battery	Lithium battery
Power Requirement	+12V, AT/ATX
Power Consumption (Typical)	Atom™ N270 1.6 GHz, DDR II 533 1 GB 1.56A @ +12V
Board Size	4.05" (L) x 3.77" (W) (102.8mm x 96mm)
Gross Weight	0.33 lb (0.15 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)	52,000
Display	
Supports CRT/LCD simultaneous/ dual view display	
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224 MB/ DVM T 3.0
Resolutions	Up to 1920 x 1440 @ 24bpp colors for CRT Up to 1600 x 1200 @ 24bpp colors for LCD
LCD Interface	Up to 18-bit Dual-Channel LVDS
I/O	
Storage	SATA x 1, CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
USB	USB2.0 x 4
PS/2 Port	Keyboard+Mouse x 1
Digital I/O	—
Audio	Line-in, Line-out, Mic-in & CD-in

Packing List

- **9681945C00**
Cable Kit (for PFM-945C-A10)
- **9681945C01**
Cable Kit (for PFM-945C-A10-01)
- **Quick Installation Guide**
- **Utility CD**
- **PFM-945C W/Heatsink**

Ordering Information

- **TF-PFM-945C-A10**
PC/104 Board, Intel® N270 1.6 GHz, 512 MB, DDR II, LAN, Audio, 4 COM, 4 USB, CompactFlash™, PCI-104, ATX/AT, Rev. A1.0
- **TF-PFM-945C-A10-01**
PC/104 Board, Intel® N270 1.6 GHz, 1 GB, DDR II, LAN, Audio, 4 COM, 4 USB, CompactFlash™, PCI/104-E, ATX/AT, Rev. A1.0 (Full Cable Kit)

Optional Accessories

- **TF-PFM-P13DW2-A10-01**
PC/104 Board, Power Supply Module with +5V & +12V Output PCI-104 RevA1.0, WITAS II
- **1702150121**
SATA Power Cable
- **1700100200**
LAN Cable
- **1700050207**
USB Cable
- **1701090150**
COM Cable
- **1709140303**
Audio Cable
- **1705050153**
LCD Inverter Cable