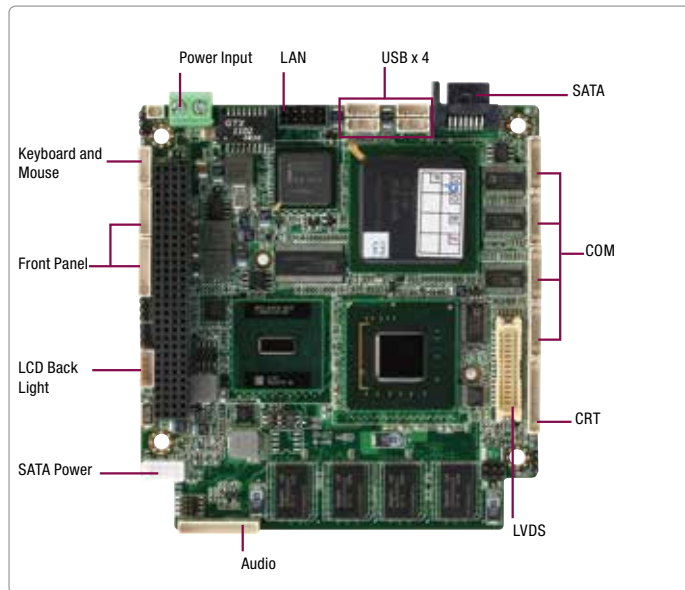


# PFM-945C

PC/104 Module with Onboard Intel® Atom™ N270 Processor



## Features

- Onboard Intel® Atom™ N270 Processor
- Intel® 945GSE + ICH7M
- Onboard DDR2 400/533MHz Memory, Up to 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 1.5Gb/s x 1, CompactFlash™ x 1
- USB2.0 x 4, COM x 4
- PCI/104-Express Expansion (Optional)
- +12V Only Operation
- 4/5/8-wire Touch Screen Controller (Optional)

## Specifications

System	
Form Factor	PC/104
Processor	Onboard Intel® Atom™ N270 1.6 GHz Processor
System Memory	Onboard DDR2 400/533MHz Memory, Up to 512 MB/ 1 GB
Chipset	Intel® 945GSE + ICH7M
I/O Chipset	SMSC SCH3114
Ethernet	Intel® 82551ER, 10/100Base-TX 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
Battery	Lithium battery
Power Requirement	+12V, AT/ATX
Power Consumption (Typical)	Intel® Atom™ N270 1.6 GHz, DDR2 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	
Chipset	Intel® 945GSE integrated
Memory	Shared system memory up to 224 MB/ DVMT 3.0
Resolutions	Up to 1920 x 1440 for CRT Up to 1024 x 768 for LCD
LCD Interface	Up to 18-bit Dual-Channel LVDS
I/O	
Storage	SATA 1.5Gb/s 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
Audio	Line-in, Line-out, Mic-in & CD-in



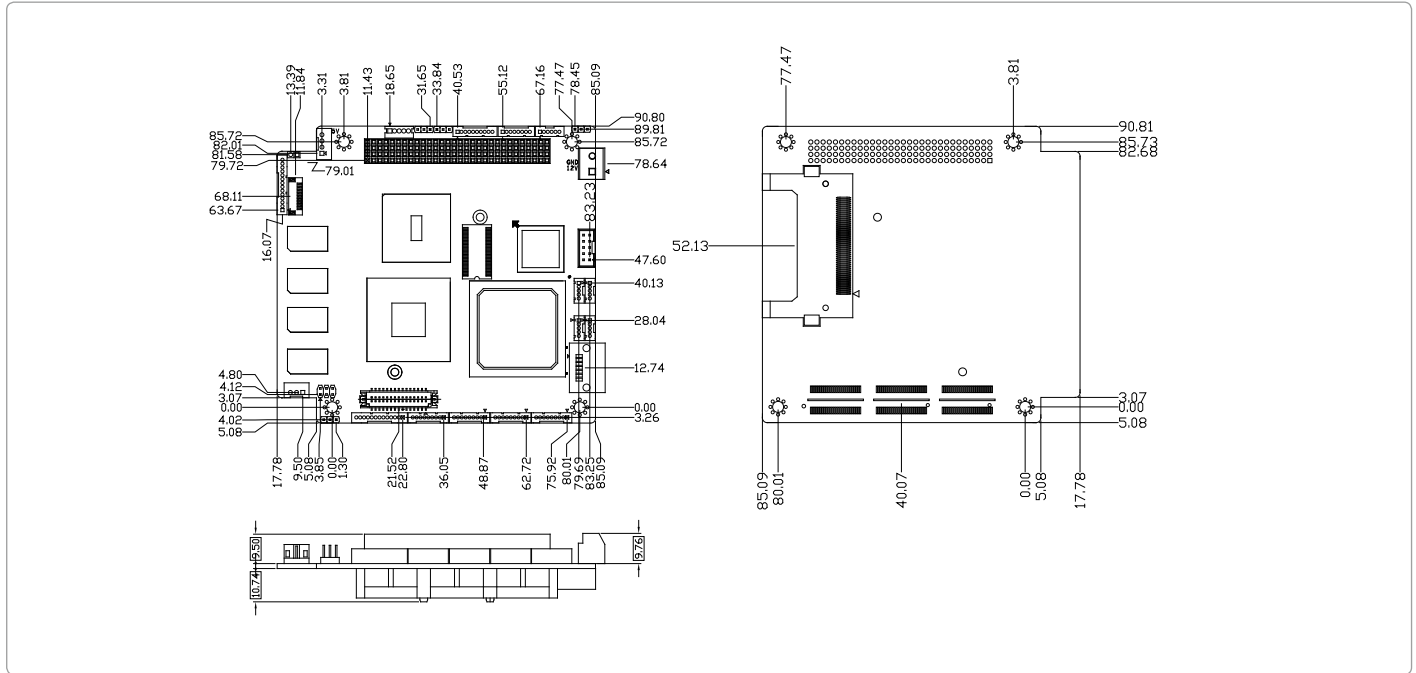
## Packing List

- **9681945C00**  
Cable Kit (for PFM-945C-A10)
- **9681945C01**  
Cable Kit (for PFM-945C-A10-01)
- **Product CD**
- **PFM-945C with Cooler**

# PFM-945C

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
TF-PFM-945C-A20	Intel® Atom™ N270	512MB	Fan	SATA2 x 1, CompactFlash™ x 1	CRT + LVDS	18b, 2CH	FE x 1	4	3	1	PCI-104	+12V AT/ATX	0°C ~ 60°C
TF-PFM-945C-A20-01	Intel® Atom™ N270	1GB	Fan	SATA2 x 1, CompactFlash™ x 1	CRT + LVDS	18b, 2CH w/ Touch	FE x 1	4	3	1	PCI-104	+12V AT/ATX	0°C ~ 60°C
TF-PFM-945C-A20-02	Intel® Atom™ N270	1GB	Fan	SATA2 x 1, CompactFlash™ x 1	CRT + LVDS	18b, 2CH w/o Touch	FE x 1	4	3	1	PCI-104	+12V AT/ATX	0°C ~ 60°C

## Optional Accessories

- PFM-P13DW2-A10-01**  
 PC/104 Board, Power Supply Module with +5V & +12V Output PCI-104 Rev. A1.0, WITAS 2
- 1702150121**  
 SATA Power Cable, Length 12cm
- 1700100200**  
 LAN Cable, Length 20cm
- 1700050207**  
 USB Cable, Length 20cm
- 1701090150**  
 COM Cable, Length 15cm
- 1709140303**  
 Audio Cable, Length 30cm
- 1705050153**  
 LCD Back Light Cable, Length 15cm