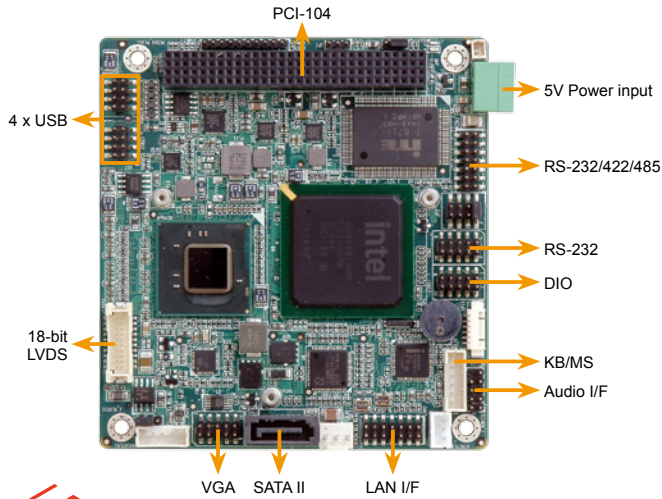
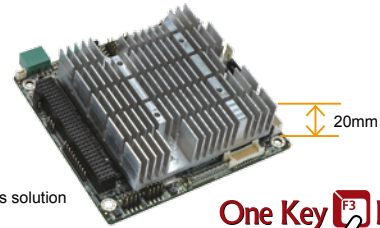
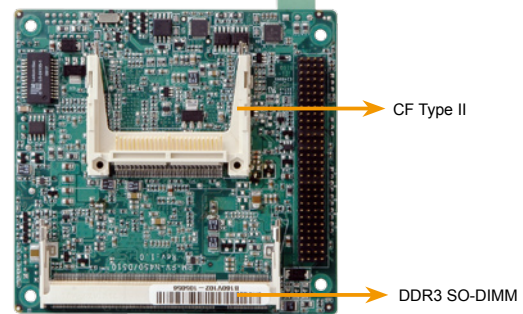


PM-PV-N4551 D5251

PC/104 SBC with Intel® Atom™ N455/D525, DDR3, VGA/LVDS, GbE, USB 2.0, SATA II and CF II, RoHS



Solder Side



Heatsink fanless solution



Specifications

- ◆ CPU
 - Intel® Atom™ N455 single-core processor 1.66GHz / 512KB L2 cache
 - Intel® Atom™ D525 dual-core processor 1.8GHz/1MB L2 cache
- ◆ Chipset
 - Intel® ICH8M
- ◆ BIOS
 - UEFI BIOS
- ◆ Memory
 - One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (System max. 2GB)
- ◆ Graphic
 - GMA 3150
 - Graphic core speed 400MHz for D525
 - Graphic core speed 200MHz for N455
- ◆ Display interface
 - Analog CRT up to 2048x1536 for D525, 1400x1050 for N455
 - Support for CRT hot plug
 - Single Channel 18-bit LVDS, resolution support up to WXGA 1366x768 or XGA 1024x768
- ◆ Ethernet
 - Intel® 82567V GbE Ethernet PHY
- ◆ I/O Interface
 - 4 x USB 2.0
 - 1 x SATA II
 - 1 x RS-232
 - 1 x RS-232/422/485
 - 1 x KB/MS
 - 1 x CF card slot
- ◆ Digital I/O
 - 8-bit digital I/O, 4-bit input / 4-bit output
- ◆ Expansion
 - 1 x PCI-104 Slot
- ◆ Audio
 - 7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ Watchdog Timer
 - Software programmable support 1~255 sec. system reset by Super I/O
- ◆ Power Supply
 - 5V power input, AT/ATX support
- ◆ Super I/O
 - ITE IT8718F
- ◆ Power Consumption
 - 5V@3.31A, 12V@0.09A, 5Vsb@0.03A (Intel® Atom™ D525 1.8GHz with DDR3 1GB)
- ◆ Temperature
 - 20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
 - 20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N455 processor
- ◆ Humidity
 - Operation: 5% ~ 95% non-condensing
- ◆ Dimensions
 - 96mm x 90mm

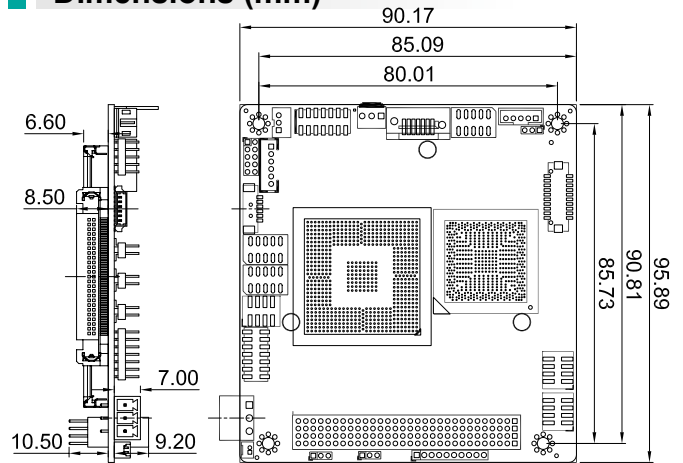
Packing List

1 x PM-PV-N4551/D5251 single board computer	
1 x PS/2 KB/MS cable (P/N: 32000-023800-RS)	
1 x Dual ports USB cable (P/N: 32000-070301-RS)	
1 x VGA cable (P/N: 32000-033804-RS)	1 x LAN cable (P/N: 32013-000400-100-RS)
1 x Power cable (P/N: 32000-130300-RS)	1 x Mini jumper pack
1 x QIG	1 x Utility CD

Features

1. Intel® Atom™ N455/D525 processor with DDR3 solution
2. Single 5V power design, 12V for LCD/fan
3. Single channel 18-bit LVDS/ VGA output for display support
4. Support two COM, four USB, SATA II and CF type II socket
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Ordering Information

Part No.	Description
PM-PV-D5251-R10	PC/104 SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/LVDS, GbE, USB 2.0, SATA II and CF II, RoHS
PM-PV-N4551-R10	PC/104 SBC with Intel® Atom™ N455 1.66GHz, DDR3, VGA/LVDS, GbE, USB 2.0, SATA II and CF II, RoHS
32200-000049-RS	RS-232 cable
32205-000300-100-RS	RS-232/422/485 cable
32000-062800-RS	SATA cable
32102-000100-200-RS	SATA power cable
AC-KIT-883HD-R10	7.1 channel HD Audio Kit with Realtek ALC883 support dual audio streams
CF-PV4010-R10	CPU Fan (40 x 40 x 10mm)