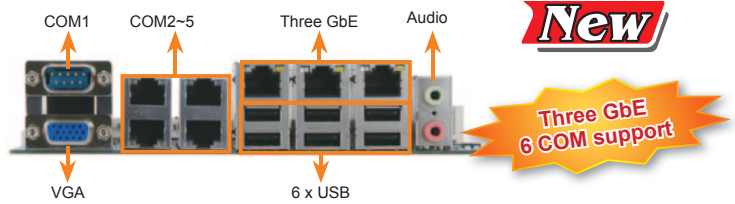
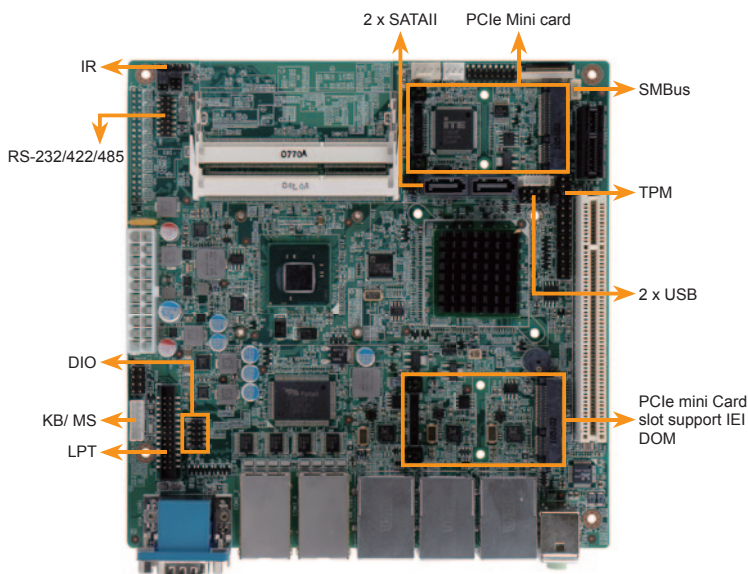


KINO-PV-D4253 D5253

Mini-ITX SBC support Intel® Atom™ D525/D425, DDR3, VGA, three GbE, six COM, USB 2.0 and SATA 3Gb/s, RoHS



Specifications

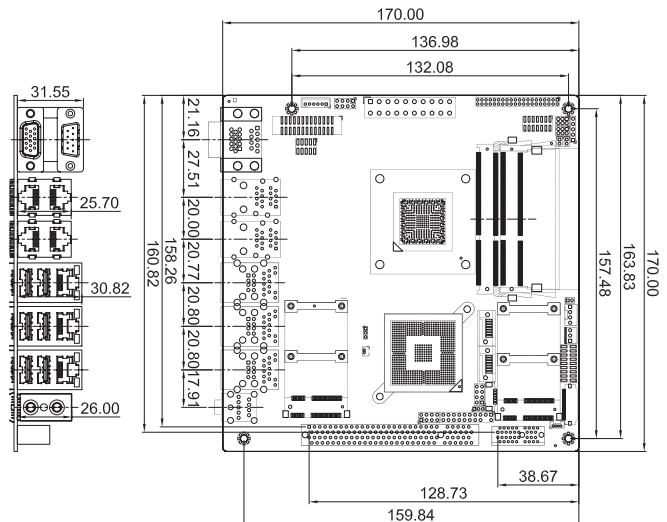
- ◆ CPU
Intel® Atom™ D525 dual-core processor 1.8GHz/1MB L2 cache
Intel® Atom™ D425 single-core processor 1.8GHz/512KB L2 cache
- ◆ Chipset
ICH8M
- ◆ BIOS
UEFI BIOS
- ◆ Memory
2 x SO-DIMM DDR3 800MHz up to 4GB
- ◆ Graphic
GMA 3150
- ◆ Display Interface
Analog CRT up to 2048x1536, Support for CRT hotplug
- ◆ Ethernet
Three PCIe GbE by Realtek RTL8111E with ASF2.0 support
- ◆ I/O Interfaces
4 x RS-232 (RJ-45) 1 x RS-232 (DB-9)
1 x RS-232/422/485 (pin header) 1 x LPT
1 x KB/MS pin header 2 x SATA 3Gb/s
8 x USB2.0
- ◆ SMBus
1 x 4-pin wafer connector
- ◆ TPM
2 x 10-pin header
- ◆ Digital I/O
8-bit digital I/O, 4-bit input / 4-bit output
- ◆ Expansion
1 x PCI Slot
1 x PCIe x1 slot
2 x PCIe Mini card slot
- ◆ Audio
Realtek ALC 888 HD codec
- ◆ Watchdog Timer
Software programmable support 1~255 sec. system reset
- ◆ Power Supply
AT/ATX power supply support
- ◆ Super IO
Fintek F81865
- ◆ Fan Connector
1 x 4-pin CPU fan
1 x 3-pin system fan
- ◆ Power Consumption
12V@0.76A, 5V@2.62A (Intel® Atom™ D525 1.8GHz with DDR3 1333MHz 1GBx2 DIMM)
- ◆ Temperature
-20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
-20°C ~ 65°C with free air, -20°C ~ 70°C with force air for D425 processor
- ◆ Humidity
Operation: 5% ~ 95% non-condensing
- ◆ Dimensions
170mm x 170mm
- ◆ Weight
GW: 900g / NW: 360g

IEI Mini-ITX Selection Table			
Feature	KINO-PVN-D5251	KINO-PV-D5252	KINO-PVD5253
Power input	DC 12V input	DC 12V input	AT/ ATX power
Mini PCIe slot	1	1	2
GbE LAN	2	2	3
Display	VGA, Dual Link DVI-I, HDMI	VGA, 18 bits LVDS, 24 bits LVDS (optional)	VGA
COM	3 x RS-232 1 x RS-232/422/485	5 x RS-232 1 x RS-232/422/485	5 x RS-232 1 x RS-232/422/485
TPM	None	On board Infineon SLB9635 (optional)	By 2 x 10-pin header

Features

1. Mini-ITX form factor with Intel® Atom™ D525/D425 processor
2. Two DDR3 800 MHz SO-DIMM slots support up to 4GB
3. Compliant with 1U chassis
4. Three GbE LAN with ASF2.0 support
5. Complete I/O with eight USB, two SATA 3Gb/s, one LPT, six COM and audio

Dimensions (Unit: mm)



Packing List

1 x KINO-PV-D4253/D5253 single board computer	
1 x SATA cable (P/N:32000-062800-RS)	
1 x I/O shielding (P/N:45014-0033C0-00-RS)	1 x Mini jumper pack
1 x QIG	1 x Utility CD

Ordering Information

Part No.	Description
KINO-PV-D5253-R10	Mini ITX SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA, 6 COM, 3 GbE, dual PCIe mini, SATA, and audio
KINO-PV-D4253-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA, 6 COM, 3 GbE, dual PCIe mini, SATA, and audio
32000-0023800-RS	PS2 KB/MS cable
32102-000100-200-RS	SATA power cable
32200-015100-RS	LPT cable
32005-000200-100-RS	RJ-45 to RS-232 cable
19800-003100-100-RS	Dual USB port with bracket
PCIER-K101L-R10	PCIe x1 riser card
19800-000110-RS	RS-232/422/485 cable
TPM-IN01-R11	20-Pin Infineon TPM module, software management tool, firmware V3.17