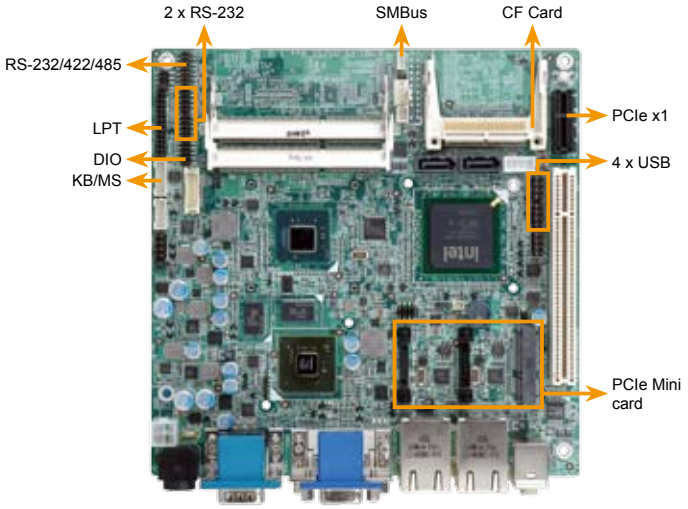
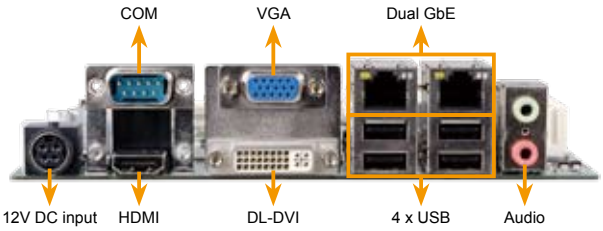
KINO-PV-D5251

Mini ITX SBC with Intel® Atom™ D525 1.8GHz/1MB L2 cache, VGA/ 18-bits LVDS/ DVI-I DL/ HDMI, Dual GbE, Audio, USB 2.0 and SATA II, RoHS



Best Graphic engine by Nvidia GT218 with on board 512MB DDR3 memory
- HDMI support up to 1080p
- Dual Link DVI-I support up to 2560x1600



DDR 3 800 | Dual Display | SATA II | USB 2.0 | GbE | Nvidia Ion | One Key Recovery | EFI | 12V only

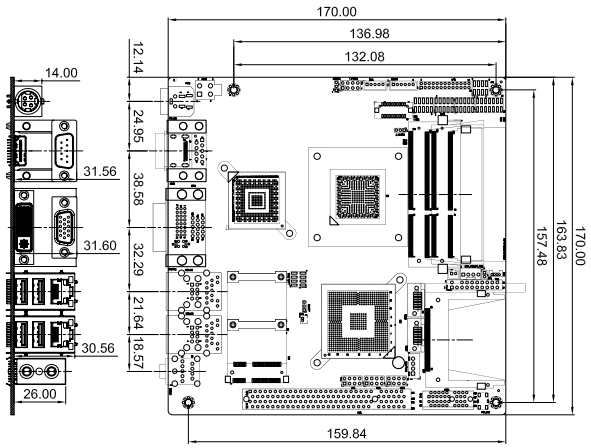
Specifications

- CPU
  Intel® Atom™ D525 dual-core processor 1.8GHz/1MB L2 cache
  Intel® Atom™ D425 single-core processor 1.8GHz/512K L2 cache
  Intel® Atom™ N455 single-core processor 1.66GHz/512K L2 cache
- Chipset
  ICH8M
- BIOS
  AMI uEFI BIOS
- Memory
  Two 204-pin 800MHz DDR3 SDRAM SO-DIMMs supported (System max. 4GB) for D525/D425
  Two 204-pin 800MHz DDR3 SDRAM SO-DIMMs supported (Sysetm max. 2GB) for N455
- Graphic
  Nvidia GT218
- Display Interface
  Dual display supported by HDMI+VGA/ HDMI+DVI / VGA+DVI/ VGA+VGA (by DVI to VGA adaptor)
  Analog CRT support by Nvidia GT218, resolution support up to 2048x1536
  Support for CRT hot plug
  Dual Link DVI-I support by Nvidia GT218 with DDR3 512MB memory, resolution support up to 2560x1600
  HDMI supported by Nvidia GT218, Resolution up to 1080p
- Ethernet
  Dual PCIe GbE by Realtek RTL8111E with ASF2.0 support
- I/O Interfaces
  3 x RS-232 1 x RS-232/422/485 with Auto Flow control
  1 x LPT 1 x KB/MS
  2 x SATA II 8 x USB 2.0 1 x CF Type II
- SMBus
  1 x 4-pin wafer connector
- Digital I/O
  8-bit digital I/O, 4-bit input / 4-bit output
- Expansion
  1 x PCI slot 1 x PCIe x1 slot
  1 x PCIe Mini card slot with PCIe/USB/ SATA signal
- Audio
  Realtek ALC 888 HD codec
- Watchdog Timer
  Software programmable support 1~255 sec. system reset
- Power Supply
  12V, AT/ATX power mode
  1 x external DIN 4pin DC jack
  1 x internal 2x2pin power connector
- Super IO
  Fintek F81865
- FAN Connector
  1 x 4-pin CPU fan connector 1 x 3-pin system fan
- Power Consumption
  12V@2.42A (Intel® Atom D525 1.8GHz with DDR3 1333MHz 1GB*2 DIMM)
- Temperature
  Operation: -10°C ~ 60°C (32°F ~ 140°F)
- Humidity
  Operation: 5% ~ 95% non-condensing
- Dimensions
  170mm x 170mm
- Weight
  GW: 900g / NW: 360g

Features

1. Mini ITX form factor with Intel® Atom™ D525 dual-core processor
2. 12V single voltage design for AT/ATX Power
3. Two expansion DDR3 800MHz SO-DIMM slot support to 4GB
4. Excellent graphic engine support VGA, Dual Link DVI-I, HDMI for dual independent display support
5. Complete I/O with 8 x USB, 3 x SATA II, 1 x CF II, 1 x LPT, 4 COM and Audio
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Packing List

1 x KINO-PV-D5251 Single Board Computer	
1 x RS-232 cable with bracket (P/N: 19800-000300-100-RS)	
1 x SATA with 5V output cable Kit (P/N: 32801-000100-100-RS)	
1 x I/O shielding (P/N: 45014-0032C0-00-RS)	1 x QIG
1 x SATA cable (P/N: 32000-062800-RS)	1 x Mini jumper pack
1 x DVI to VGA Adaptor (P/N: 33Z00-000031-RS)	1 x Utility CD

Ordering Information

Part No.	Description
KINO-PV-D5251-R10	Mini ITX SBC with Intel® Atom™ D525 1.8GHz/1MB L2 cache, DDR3, VGA/ 18-bits LVDS/ DVI-I DL/ HDMI, Dual GbE, Audio, USB 2.0 and SATA II, RoHS
KINO-PV-D4251-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz/1MB L2 cache, DDR3, VGA/ 18-bits LVDS/ DVI-I DL/ HDMI, Dual GbE, Audio, USB 2.0 and SATA II, RoHS
KINO-PV-N4551-R10	Mini ITX SBC with Intel® Atom™ N455 1.66GHz/1MB L2 cache, DDR3, VGA/ 18-bits LVDS/ DVI-I DL/ HDMI, Dual GbE, Audio, USB 2.0 and SATA II, RoHS
32000-0023800-RS	PS2 KB/MS cable
32102-000100-100-RS 32102-000100-200-RS 32102-000100-300-RS	SATA Power cable
32100-192900-RS	One 4-pin(2x2) to one 4-pin(1x4) DC power cable with terminal block
32200-015100-RS	LPT cable
19800-000110-RS	RS-232/422/485 cable with bracket
CB-USB02-RS	Dual Port USB cable