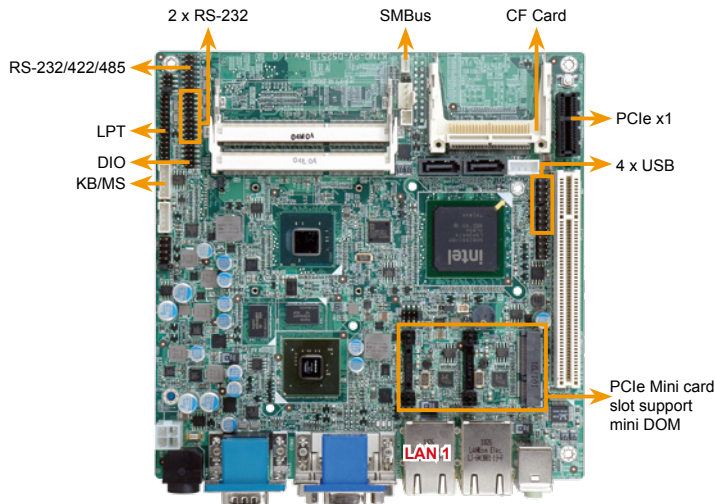


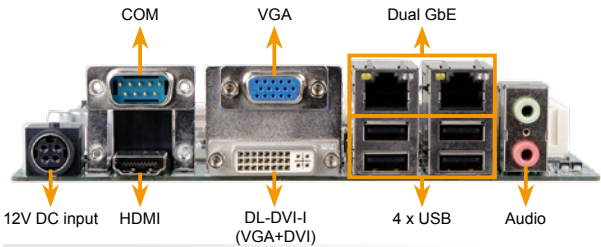
D425 D525

Mini ITX SBC with Intel® Atom™ D425/D525, VGA/ DVI-DL/HDMI by Nvidia GT218, 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



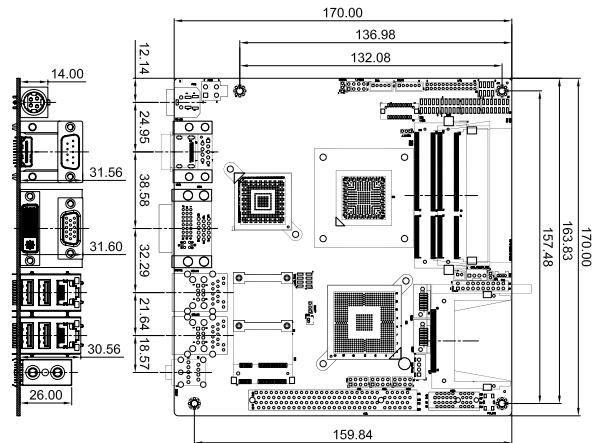
Specifications

- 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**
 - Two 204-pin 800MHz DDR3 SDRAM SO-DIMMs supported (System max. 4GB) for D525/D425
- 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 with up to 2048x1536 resolution
 - Support 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, LAN1 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 (PCIe + USB + SATA signal) support mini DOM
- 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: -20°C ~ 60°C
- Humidity**
 - Operation: 5% ~ 95% non-condensing
- Dimensions**
 - 170mm x 170mm
- Weight**
 - GW: 900g / NW: 360g

Features

- Mini ITX form factor with Intel® Atom™ D525/D425 processor
- 12V single voltage design for AT/ATX Power
- Two expansion DDR3 800MHz SO-DIMM slot support to 4GB
- Excellent graphic engine support VGA, Dual Link DVI-I, HDMI by Nvidia GT218 for dual independent display support
- Complete I/O with eight USB, three SATA II, one CF II, one LPT, four COM and Audio
- One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Packing List

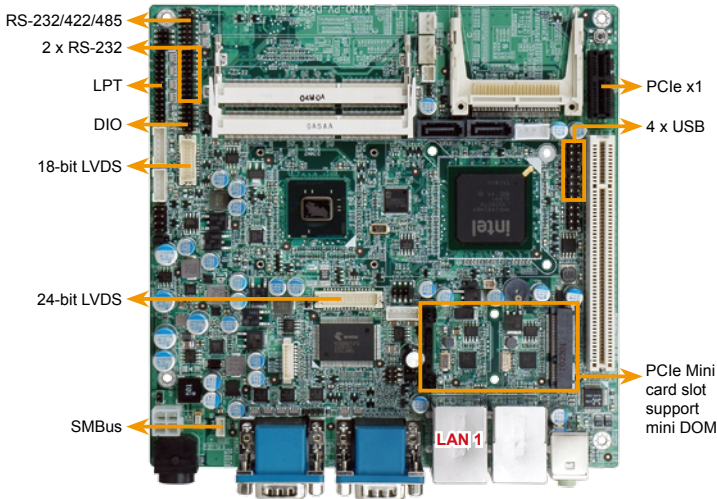
1 x -D4251/D5251 single board computer	
1 x RS-232 cable with bracket	
1 x SATA with 5V output cable Kit	
1 x I/O shielding	1 x QIG
1 x SATA cable	1 x Mini jumper pack
1 x DVI to VGA Adaptor	1 x Utility CD

Ordering Information

Part No.	Description
D5251-R10	Mini ITX SBC with Intel® Atom™ D525 1.8GHz/1MB L2 cache, DDR3, VGA/ DVI-I DL/ HDMI by Nvidia GT218, Dual GbE, audio, USB 2.0 and SATA II, RoHS
D4251-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz/512KB L2 cache, DDR3, VGA/ DVI-I DL/ HDMI by Nvidia GT218, Dual GbE, audio, USB 2.0 and SATA II, RoHS
	PS2 KB/MS cable
	One 4-pin(2x2) to one 4-pin(1x4) DC power cable with terminal block
	LPT cable
	RS-232/422/485 cable with bracket
	Dual port USB cable

D425 D525

Mini ITX SBC with Intel® Atom™ D425/D525, DDR3, VGA/18+48-bit LVDS, Dual GbE, Audio, USB2.0 and SATA II, RoHS

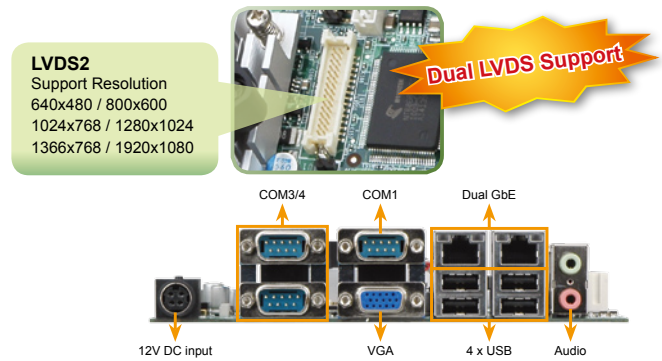


Specifications



- ◆ 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
Two 204-pin 800MHz DDR3 SDRAM SO-DIMMs supported (System max. 4GB) for D525/D425
- ◆ Graphic
GMA 3150
Graphic core speed 400MHz for D525/ D425
- ◆ Display Interface
Analog CRT up to 2048x1536 for D525/ D425
Support for CRT hot plug
18-bit single-channel LVDS, resolution support up to WXGA 1366x768 or XGA 1024x768
24-bit dual-channel LVDS by Novatek 68667UFG, resolution support up to 1920x1080
- ◆ Ethernet
Dual GbE by Realtek RTL8111E, LAN1 with ASF 2.0 support
- ◆ I/O Interfaces

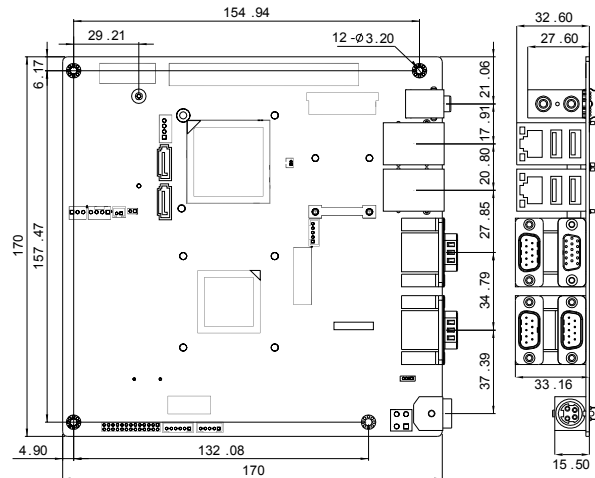
5 x RS-232	1 x RS-232/422/485 (COM2) with Auto Flow control
1 x LPT	1 x 6-pin header for KB/MS
2 x SATA II	8 x USB 2.0
1 x CF Type II	
- ◆ Digital I/O
8-bit digital I/O, 4-bit input / 4-bit output
- ◆ Expansion
1 x PCI slot
1 x PCIe x1 slot
1 x PCIe Mini card slot (PCIe + USB + SATA signal) support mini DOM
- ◆ 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 2 x 2-pin power connector
- ◆ TPM (Optional)
On board INFINEON SLB9635TT1.2
- ◆ SMBus
1 x 4-pin wafer connector
- ◆ Super IO
Fintek F81865
- ◆ FAN Connector
1 x 4-pin CPU fan
1 x 3-pin system fan
- ◆ Power Consumption
12V@1.95A (Intel® Atom™ D525 1.8GHZ with DDR3 1GB*2)
- ◆ 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
- ◆ Weight
GW: 800g / NW: 340g



Features

1. Mini-ITX SBC with Intel® Atom™ D525 / D425 processor
2. Support 800MHz DDR3 SO-DIMM socket up to 4GB
3. Support 24-bit dual-channel LVDS resolution up to 1920x1080
4. Complete I/O with eight USB, two SATA II, one CF II, six COM and audio
5. One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Packing List

1 x D4252/D5252 single board computer	
1 x RS-232 cable with bracket	
1 x SATA with power cable kit	
1 x I/O shielding	1 x Mini jumper pack
1 x QIG	1 x Utility CD

Ordering Information

Part No.	Description
D5252-L2-R10	Mini ITX SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/18+48-bit LVDS, Dual GbE, audio, USB 2.0 and SATA II, RoHS
D5252T-R10	Mini ITX SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/18+48-bit LVDS, Dual GbE, audio, USB 2.0 and SATA II, TPM, RoHS
D4252-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/18 LVDS, Dual GbE, audio, USB 2.0 and SATA II, RoHS
D4252T-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/18 LVDS, Dual GbE, audio, USB 2.0 and SATA II, TPM, RoHS
	PS2 KB/MS cable
	LPT cable
	RS-232/422/485 cable with bracket
	Dual port USB cable
	CPU fan