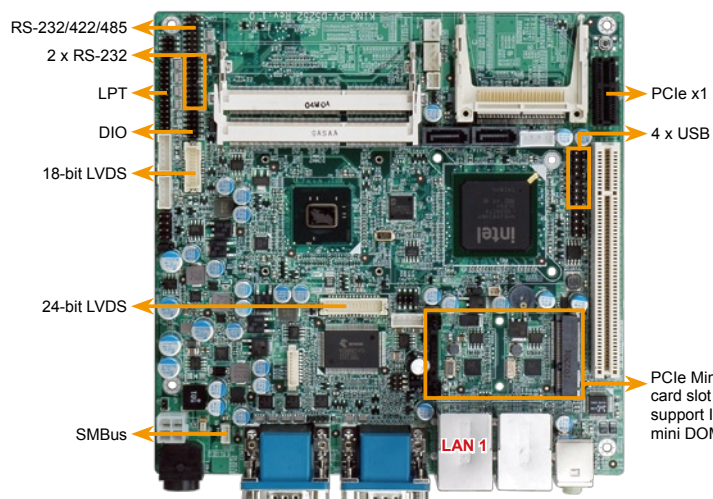


KINO-PV-D4252 D5252

Mini-ITX SBC with Intel® Atom™ D425/D525, DDR3, VGA/
18+48-bit LVDS, Dual GbE, Audio, USB2.0 and SATA 3Gb/s,
RoHS



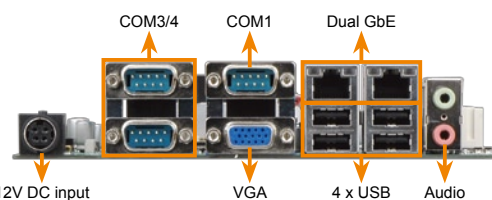
Specifications

- ◆ 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
 - 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 6867UFG, resolution support up to 1920x1080
- ◆ Ethernet
 - Dual GbE by Realtek RTL8111E, LAN1 with ASF 2.0 support
- ◆ I/O Interfaces
 - 1 x RS-232 204-pin (COM2) with Auto Flow control
 - 1 x LPT 1 x 6-pin header for KB/MS
 - 2 x SATA 3Gb/s 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 IEI 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

LVDS2
Supported Resolution
640x480 / 800x600
1024x768 / 1280x1024
1366x768 / 1920x1080



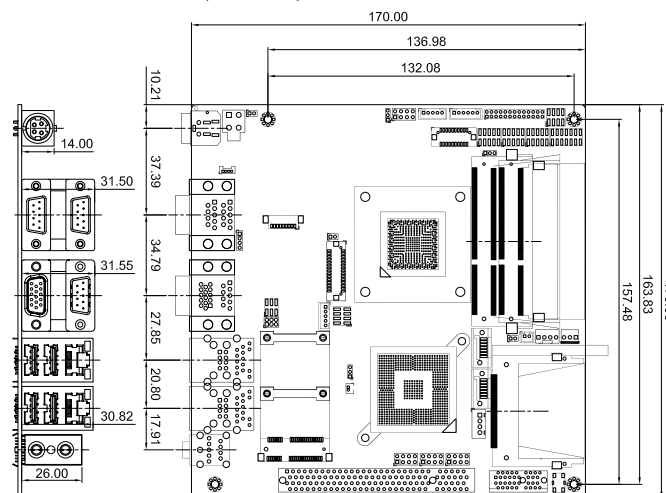
Dual LVDS Support



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 3Gb/s, one CF II, six COM and audio
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (Unit: mm)



Packing List

1 x KINO-PV-D4252/D5252 single board computer	
1 x RS-232 cable with bracket (P/N: 19800-000300-100-RS)	
1 x SATA with power cable kit (P/N: 32801-000100-100-RS)	
1 x I/O shielding (P/N: 45014-0024C0-01-RS)	1 x Mini jumper pack
1 x QIG	1 x Utility CD

Ordering Information

Part No.	Description
KINO-PV-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 3Gb/s, RoHS
KINO-PV-D5252T-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 3Gb/s, TPM, RoHS
KINO-PV-D4252-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/18 LVDS, Dual GbE, audio, USB 2.0 and SATA 3Gb/s, RoHS
KINO-PV-D4252T-R10	Mini ITX SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/18 LVDS, Dual GbE, audio, USB 2.0 and SATA 3Gb/s, TPM, RoHS
32000-0023800-RS	PS2 KB/MS cable
32200-015100-RS	LPT cable
19800-000110-RS	RS-232/422/485 cable with bracket
CB-USB02-RS	Dual port USB cable
19FTS00032100-000001-RS	CPU fan
PCIER-K101L-R10	PCIe x1 riser card

1

Industrial Computing Solutions

2

Video Capture Solutions

3

Embedded Computing Solutions

4

Industrial Data Collector and Controller

5

Panel Solutions Introduction

6

O/Ring Network Communication

7

Power Supply/ Peripherals