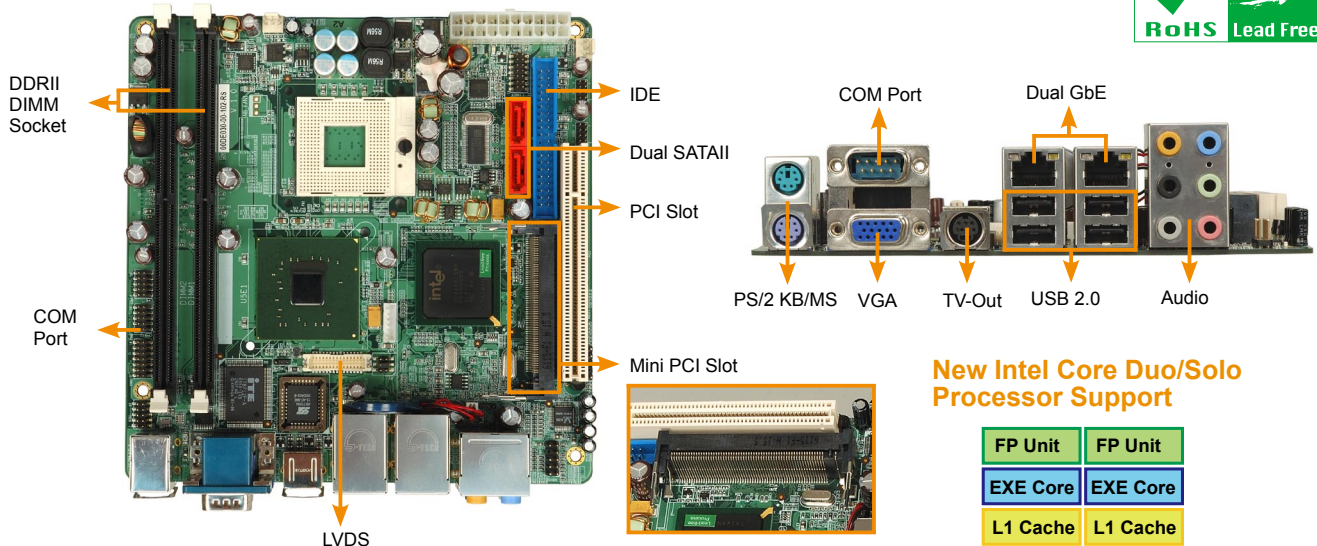


KINO-9452

Mini ITX Motherboard with Intel® Core Duo/ Core Solo Processor, SATAII, Dual PCI-E GbE, USB 2.0 & Audio



New Intel Core Duo/Solo Processor Support

FP Unit	FP Unit
EXE Core	EXE Core
L1 Cache	L1 Cache
L2 Cache	
System Bus (667MHz, 533MB/s)	

Feature

1. Support Intel® Core Duo and Core Solo processor up to FSB 667MHz
2. Display integrated in Intel® 945GM support TV-Out, dual channel LVDS and CRT
3. DDRII 400/533/667MHz DIMM socket support up to 2GB
4. Dual BROADCOM BCM5787 for PCI express GbE

Specification

◆ CPU

Intel® Core Duo processor up to FSB 667MHz
Intel® Core Solo processor up to FSB 667MHz

◆ System Chipset

Intel® 945GM + ICH7M (82801GBM/GHM)

◆ BIOS

AMI BIOS Label

◆ System Memory

2 x DDRII 400/533/667MHz DIMM socket support up to 2GB

◆ Ethernet

Dual BROADCOM BCM5787 for PCI express GbE

◆ I/O

8 x USB 2.0
2 x SATAII
1 x ATA-100 IDE
3 x RS-232
1 x RS-232/422/485
2 x PS/2 for KB/MS

◆ Super I/O

ITE8712

◆ Digital I/O

4 input / 4 output by super I/O

◆ Audio

AC'97 Codec 7.1 channel

◆ Display

Integrated in Intel 945GM support TV-Out and CRT

◆ LVDS

Dual 18-bit LVDS

◆ Watchdog Timer

Software programable 1-255 sec. by super I/O

◆ Power Supply

ATX support

◆ Power Consumption

5V@1.58A, +12V@2.05A, +3.3V@3.12A, 5Vsb@0.32A
(Yonah Intel® Core Duo 2.16GHz, DDRII 1GB*2)
-- 3D MARK

◆ Temperature

Operation: 0 ~ 60° C (32 ~ 140° F)

◆ Humidity

Operation: 5% ~ 95% non-condensing

◆ Dimension

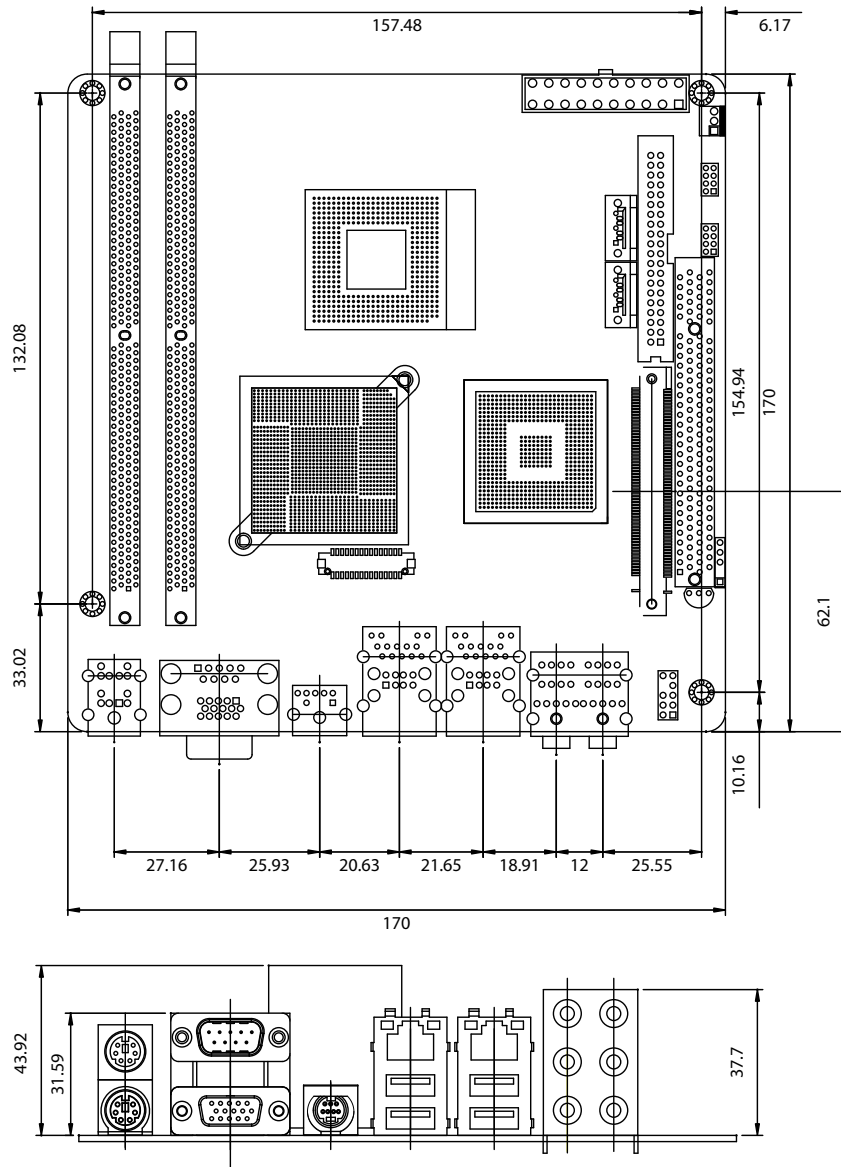
170 mm x 170 mm

◆ Weight

GW: 1.1 kg; NW: 0.4 kg



Dimension



Packing List

1 x KINO-9452 Single Board Computer	1 x I/O Shielding
2 x Dual RS-232 Cable (P/N: 32200-028401-RS)	1 x Mini Jumper Pack
1 x IDE Cable (P/N: 32200-000052-RS)	1 x Utility CD
1 x SATA Power Cable (P/N: 32100-088600-RS)	1 x QIG (Quick Installation Guide)
2 x SATA Cable (P/N: 32000-062800-RS)	

Ordering Information

Part No.	Description
KINO-9452-R10	Mini ITX Motherboard with Intel® Core Duo/ Core Solo Processor, SATAII, Dual PCI-E GbE, USB 2.0 & Audio
32200-000077-RS	RS-232/422/485 Cable
CB-USB02A-RS	USB Cable
CF-479B-RS	CPU Cooler



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