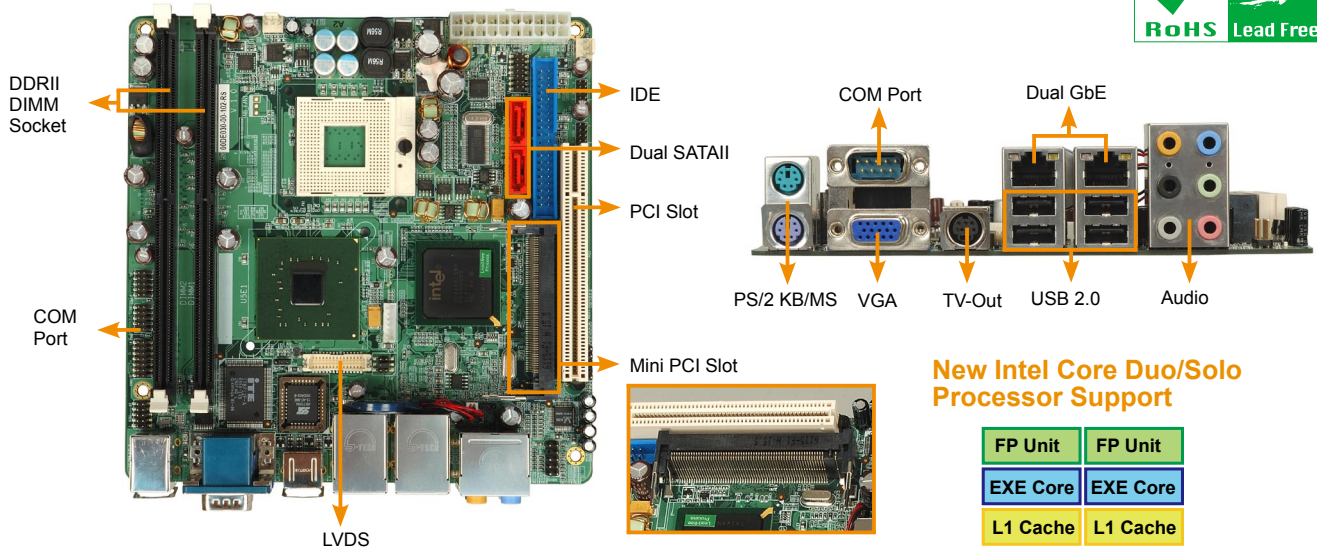


# KINO-9452

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

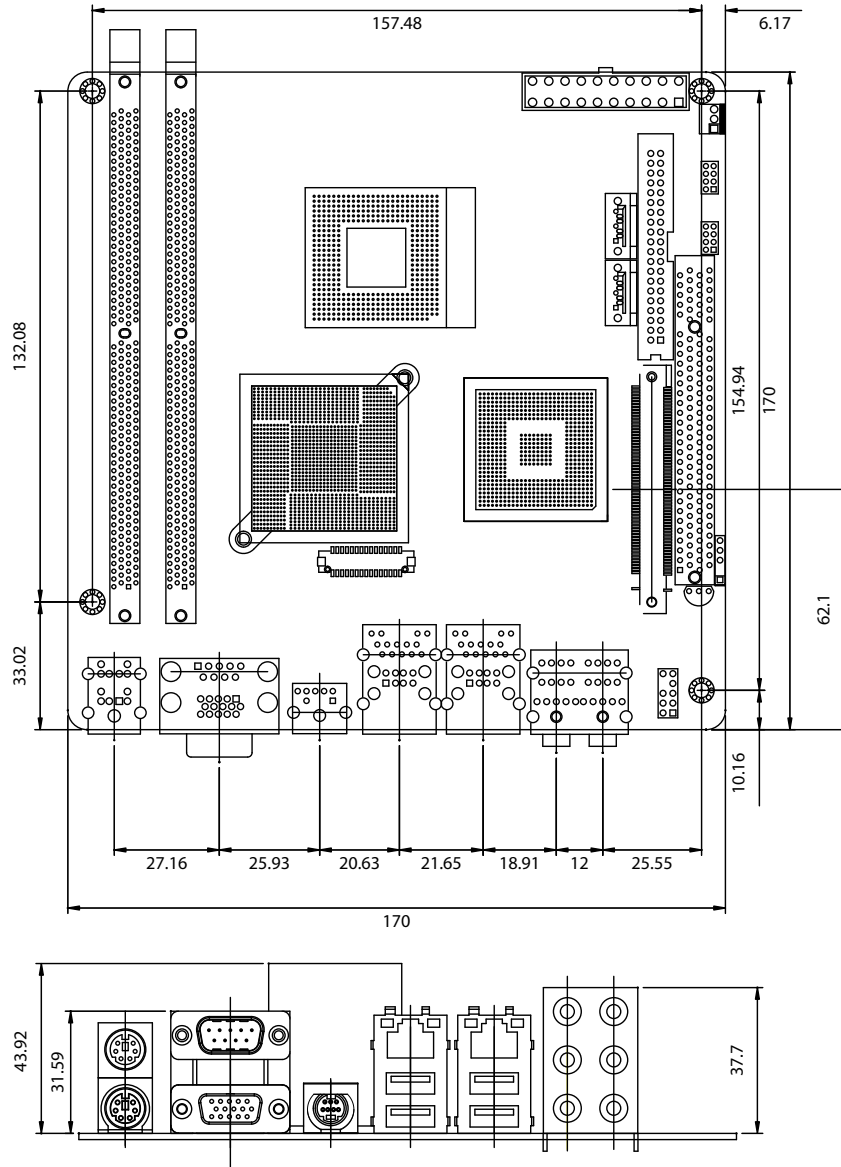
170 mm x 170 mm

### ◆ 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



### Headquarters

#### IEI Technology Corp.

TEL : +886-2-86916798 FAX : +886-2-66160028

sales@ieiworld.com www.ieiworld.com

No. 29, Jhongsing Rd., Sijhih City, Taipei County, 221, Taiwan

### America-United States

#### IEI Technology USA Corp.

TEL : +1-562-690-6677 FAX : +1-562-690-0898

sales@usa.ieiworld.com www.usa.ieiworld.com

515 N. Puente St., Brea, CA 92821

### China

#### Armorlink SH Corp.

TEL : +86-021-54429000 FAX : +86-021-54429100

sales@ieiworld.com.cn www.ieiworld.com.cn

No.515, Shenfu Road, Minhang District, Shanghai, China