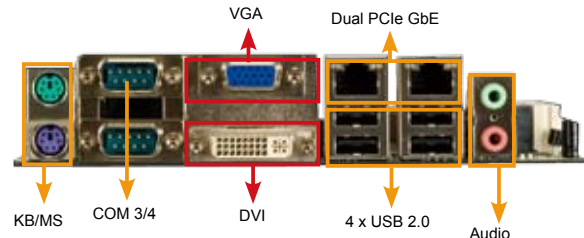
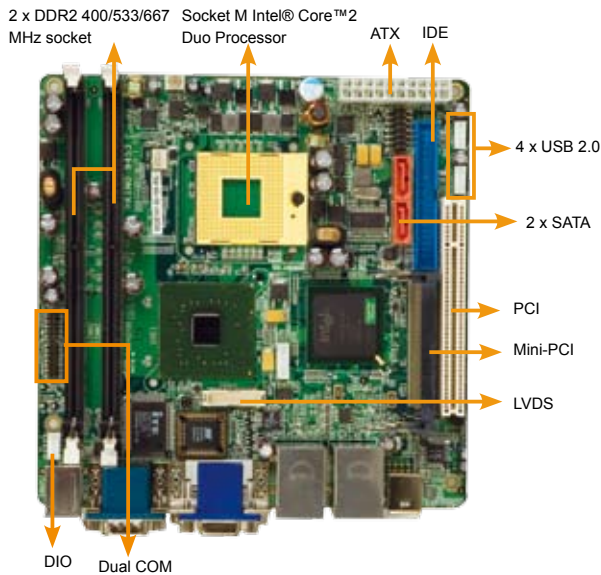


# KINO-9453-R11

Mini-ITX Motherboard with Intel Core™2 Duo CPU with VGA/DVI, Dual PCIe GbE, USB 2.0, SATA and Audio



## Features

1. Mini-ITX form factor and RoHS compliant
2. Intel® Core™2 Duo CPU FSB 667MHz
3. DDR2 400/533/667 MHz up to 4GB
4. Support VGA/DVI, 18-bit dual-channels LVDS with dual display support
5. 4 x RS-232, 8 x USB 2.0 and 2 x SATA

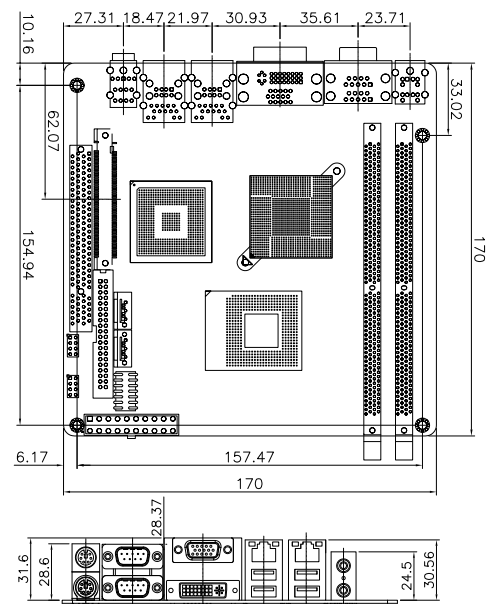
## Specifications

- ◆ CPU  
Socket M Intel® Core™2 Duo, Core Duo/Solo with 667MHz FSB  
Intel® Celeron® M 533MHz FSB
- ◆ System Chipsets  
Intel® 945GM + ICH7M
- ◆ BIOS  
AMI Flash BIOS
- ◆ System Memory  
2 x 240-pin dual-channel DDR2 400/533/667 MHz up to 4GB
- ◆ Ethernet  
Dual Broadcom BCM5787M GbE Chipsets (LAN1 with ASF2.0 remote control support)
- ◆ I/O Interface  
3 x RS-232  
1 x RS-232/422/485  
8 x USB 2.0  
2 x SATA  
1 x IDE  
2 x PS/2 KB/MS
- ◆ Expansions  
1 x Mini-PCI  
1 x PCI
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface  
N/A
- ◆ Super I/O  
ITE IT8712F
- ◆ Display Interface  
VGA Integrated in Intel 945GM  
18-bit dual-channel LVDS  
DVI by Intel 945GM SDVO interface with dual display support
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ SSD  
N/A
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power consumption  
5V@4.86A, 12V@1.75A  
(Intel® Core™2 Duo T7400 2.16GHz/667 MHz CPU with 1GB DDR2 667MHz)
- ◆ Temperature  
Operating: 0 ~ 60°C ( 32 ~ 140°F)
- ◆ Humidity  
Operating: 5% ~95 non-condensing
- ◆ Dimensions  
170 mm x 170 mm
- ◆ Weight  
GW: 900 g / NW: 362 g

## Packing List

- 1 x KINO-9453 Single Board Computer
- 1 x Mini Jumper Pack
- 1 x ATA66/100 Flat Cable (P/N: 32200-000052-RS)
- 2 x SATA Cable (P/N: 32000-062800-RS)
- 1 x SATA Power Cable (P/N: 32100-088600-RS)
- 1 x Dual RS-232 Cable (P/N: 32200-028401-RS)
- 1 x I/O Shielding
- 1 x Utility CD (P/N: 45014-008C0-00-RS)
- 1 x QIG

## Dimensions (mm)



## Ordering Information

Part No.	Description
KINO-9453-R11	Mini-ITX Motherboard with Intel Core™2 Duo CPU with VGA/DVI, Dual GbE, USB 2.0, SATA and Audio
32200-000077-RS	RS-232/422/485 Cable
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
CF-479B-RS	CPU Cooler

1  
Application  
Server  
Platform

2  
Single  
Board  
Computer

3  
IBX Series  
POS PC

4  
AFOLUX  
POS  
Panel PC

5  
Video  
Capture  
Card

6  
KAMIO  
RISC

7  
IOVU  
Open HMI

8  
VITO  
Universal  
Controller

9  
DINO  
BLADE

10  
LCD  
Product  
Series

11  
Embedded  
System

12  
Industrial  
Computer  
Chassis

13  
Power  
Supply

14  
Peripherals