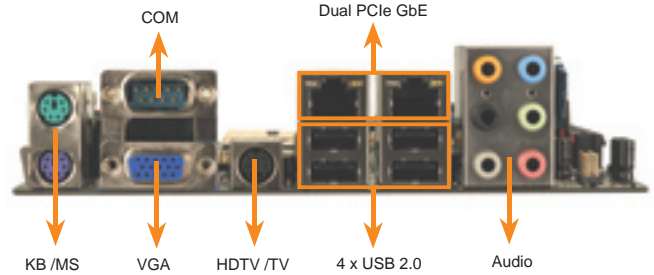
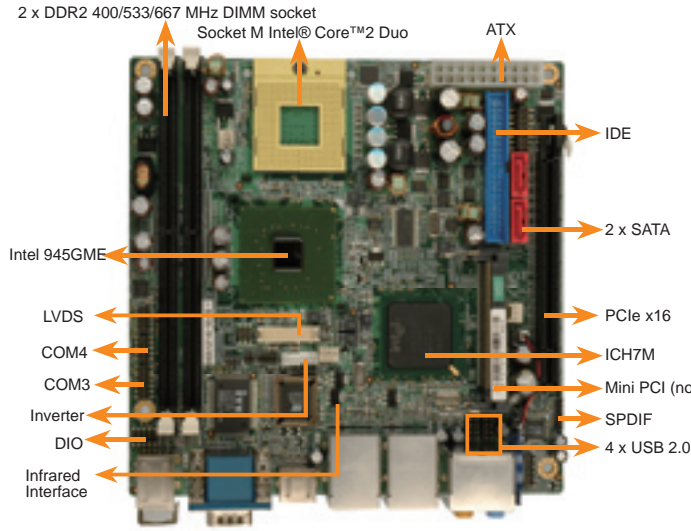


KINO-9451

Intel® Core™2 Duo Mini-ITX motherboard with VGA/ HDTV, dual PCIe GbE, USB 2.0, SATA, Audio and PCIe x16 expansion



KINO-9451 I/O side is the same as KINO-9452

FSB667 DDR2 667



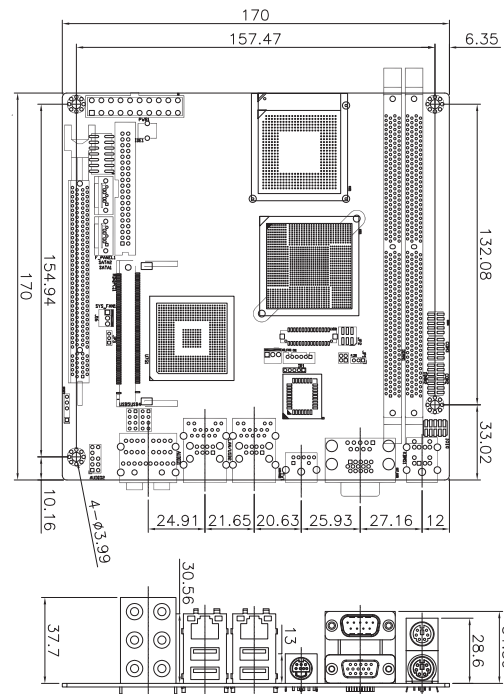
Specifications

- ◆ CPU
Socket M Intel® Core™2 Duo, Core™ Duo/Solo with a 533/667 MHz FSB, Intel® Celeron® 533 MHz FSB
- ◆ System Chipsets
Intel® 945GME + ICH7M
- ◆ BIOS
AMI Flash BIOS
- ◆ System Memory
2 x 240-pin dual-channel DDR2 400/533/667MHz up to 4GB
- ◆ Ethernet
Dual Broadcom BCM5787M PCIe GbE controllers
- ◆ IO 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
- ◆ Expansion
1 x Mini PCI
1 x PCIe x16
- ◆ Digital I/O
8-bit digital I/O, 4-bit input / 4-bit output
- ◆ Infrared Interface
By pin header
- ◆ Super I/O
ITE IT8712F
- ◆ Display Interface
VGA Integrated in the Intel® 945GME
24-bit dual-channel LVDS
- ◆ Audio
Realtek ALC883 HD Audio codec with 2 streams audio support
- ◆ SSD
N/A
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
ATX Power
- ◆ Power Consumption
5V@2.51A, 12V@2.15A, 3.3V@1.27A, 5Vsb@0.3A
(2.33 GHz Intel® Core™2 Duo T7600 with a 667 MHz FSB and a 533 MHz 2.0 GB DDR2 DIMM)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operating Ambient:: 5% ~ 95% non-condensing
- ◆ Dimensions
170 mm x 170 mm
- ◆ Weight: GW: 1100 g / NW: 400 g

Features

1. Mini-ITX form factor and RoHS compliant
2. Intel® Core™2 Duo CPU that supports 667 MHz FSB
3. Dual-channel DDR2 400/533/667 MHz up to 4GB
4. Supports VGA, HDTV, 24-bit dual-channel LVDS with dual display support
5. Three RS-232, one RS-232/422/485, eight USB 2.0 and two SATA

Dimensions (mm)



Packing List

- 1 x KINO-9451 Single Board Computer
- 1 x Mini Jumper Pack
- 1 x ATA/66 Flat Cable (P/N: 32200-000052-RS)
- 2 x SATA Cable (P/N: 32000-0628000-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 (P/N: 45002-4520C0-00-RS)
- 1 x Utility CD, 1 x HDTV out cable (P/N:32000-083100-RS)
- 1 x QIG

Ordering Information

Part No.	Description
KINO-9451-R20	Intel® Core™2 Duo CPU Mini-ITX Motherboard with VGA/ LVDS with VGA/HDTV, Dual PCIe GbE, USB 2.0, SATA, Audio and PCIe x16 expansion
32200-000077-RS	RS-232/422/485 Cable
CB-USB02-RS	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