

# KINO-9454-R20

Intel® Core™2 Duo/Pentium® 4/Pentium® D 1066/800/533 MHz CPU  
Mini-ITX Motherboard with, SATA II, Dual PCIe GbE, USB 2.0 and Audio

1  
Application  
Server  
Platform

2  
Single  
Board  
Computer

3  
IBX Series  
POS PC

4  
AFOLLUX  
POS  
Panel PC

5  
Video  
Capture  
Card

6  
KAMIO  
RISC

7  
IOVU  
Open HMI

8  
VITO  
Universal  
Controller

9  
DINO  
BLADE

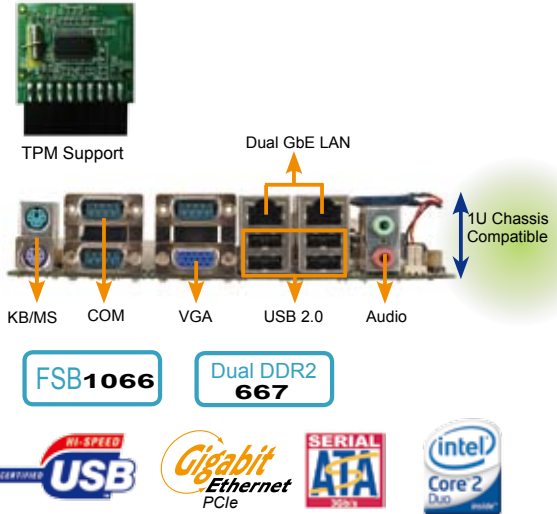
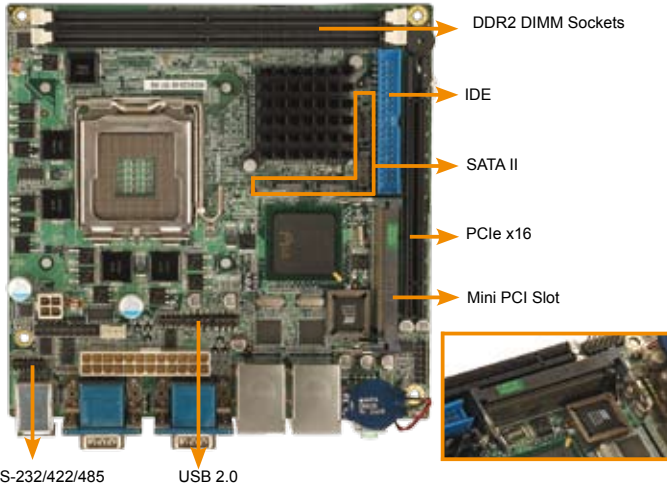
10  
LCD  
Product  
Series

11  
Embedded  
System

12  
Industrial  
Computer  
Chassis

13  
Power  
Supply

14  
Peripherals



## Specifications

- ◆ CPU  
LGA 775 Intel® Core™2 Duo, Pentium® D/4/Celeron® D with a 533/800/1066 MHz FSB
- ◆ System Chipsets  
Intel® 945G + ICH7
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
Two 240-pin 2GB (maximum) 400/533/667 MHz dual-channel DDR2 DIMM supported (maximum system memory of 4GB)
- ◆ Ethernet  
Dual PCIe Broadcom BCM5787M GbE chipsets with ASF2.0 remote control support.
- ◆ I/O Interface  
8 x USB 2.0  
4 x SATA II  
1 x IDE  
3 x RS-232  
1 x RS-232/422/485  
2 x PS/2 for KB/MS  
1 x 20-pin LPC (TPM Module)
- ◆ Expansions  
1 x PCIe x16  
1 x Mini PCI
- ◆ Infrared Interface  
One infrared Interface by pin header
- ◆ Super I/O  
ITE 8712F
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/ 4-bit output by super I/O
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ SSD  
N/A
- ◆ Display Interface  
VGA integrated in the Intel® 945G
- ◆ Watchdog Timer  
Software programmable 1-255 sec. by super I/O
- ◆ Power Supply  
ATX support
- ◆ Power Consumption  
5V@1.8A, 12V@5.81A, 3.3V@3.49A, 5VSB@0.37A  
(3.06GHz Intel® Pentium® 4 CPU with a 533 MHz 1GB DDR2 DIMM)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity  
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions  
170 mm x 170 mm
- ◆ Weight  
GW: 1100 g; NW: 400 g

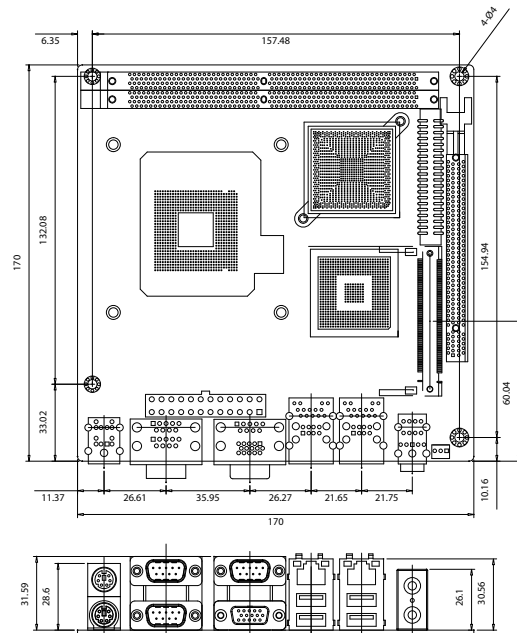
## Packing List

1 x KINO-9454 Single Board Computer
1 x IDE Cable (P/N: 32200-000052-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x I/O Shielding (P/N: 41003-0186C0-00-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG (Quick Installation Guide)

## Features

1. Intel® Core™2 Duo, Pentium® 4/ Pentium® D FSB 1066/800/533 MHz processor
2. VGA integrated in the Intel® 945G
3. DDR2 667/533/400 MHz DIMM socket supports up to 4GB
4. Dual PCIe Broadcom BCM5787M GbE chipsets

## Dimensions (mm)



## Ordering Information

Part No.	Description
KINO-9454-R20	Intel® Core™2 Duo/Pentium® D 1066 MHz CPU Mini-ITX Motherboard with, Dual PCIe GbE, SATA II and Audio
PVGA-M1600L-R10	ATI M56P Mobile Grade PCIe Graphic Card with VGA,DVI, 1080i HDTV and 24-bit Dual-channel LVDS interface.
32200-000077-RS	RS-232/422/485 Cable
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
CF-520-RS	CPU Cooler
CF-775A-RS	CPU Cooler
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W Management Tool
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W Management Tool