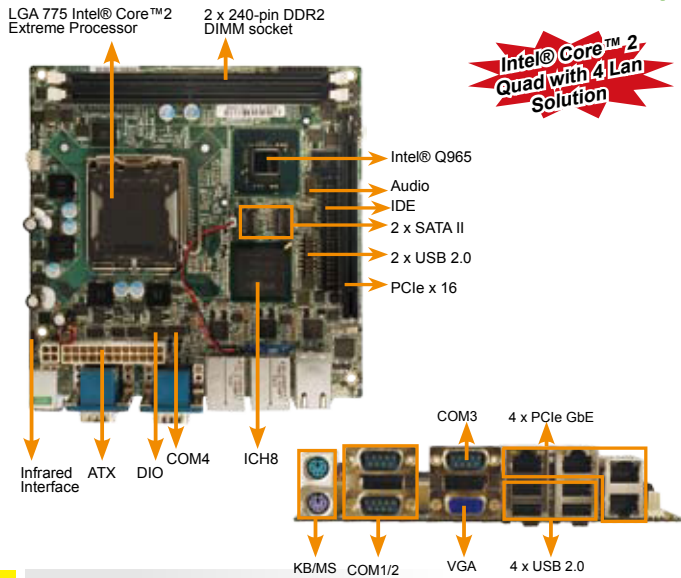


KINO-9654G4

Mini-ITX Motherboard, Intel® Core™2 Extreme CPU with VGA, Four PCIe GbE, USB 2.0 and SATA II



Intel® Core™ 2 Quad with 4 LAN Solution

Features

1. Mini-ITX form factor and RoHS compliance
2. Intel® Core™2 Extreme processor in the LGA 775 package
3. Integrated Intel® GMA 3000 graphic engine that offers adequate display quality via Intel® Q965
4. Four High performance PCI express gigabit ethernet controller
5. Dual-channel DDR2 533/667/800 MHz SDRAM support up to 4GB
6. 4 x RS-232, 6 x USB 2.0 and 2 x SATA II

Specifications

- ◆ CPU
LGA 775 Intel® Core™2 Extreme, Core™2 Quad, Core™2 Duo, Pentium® D, Celeron® D with 533/800/1066MHz FSB
- ◆ System Chipset
Intel® Q965 + ICH8
- ◆ BIOS
AMI Flash BIOS
- ◆ System Memory
2 x 240-Pin Dual-channel DDR2 533/667/800 MHz up to 4GB
- ◆ Ethernet
Four Broadcom BCM5787M PCIe GbE chipset
- ◆ I/O Interface
4 x RS-232 6 x USB 2.0
2 x SATA II 1 x IDE
2 x PS/2 for KB/MS
- ◆ Expansions
1 x PCIe x16
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ Super I/O
IT8712F
- ◆ Display Interfaces
VGA Integrated in Intel® Q965
- ◆ Audio
7.1 channel HD audio kit with realtek ALC883 codec supports dual audio streams
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
ATX Power
- ◆ Power Consumption
5V@6.62A, 12V@7.56A, 3.3V@ 5.15A (Intel® Core™2 Extreme QX6700 2.66GHz/1066MHz CPU with 1GB DDR2 800MHz)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operating: 5% ~95% non-condensing
- ◆ Dimensions:
170 mm x 170 mm
- ◆ Weight: GW: 1000 g / NW: 400 g

Packing List

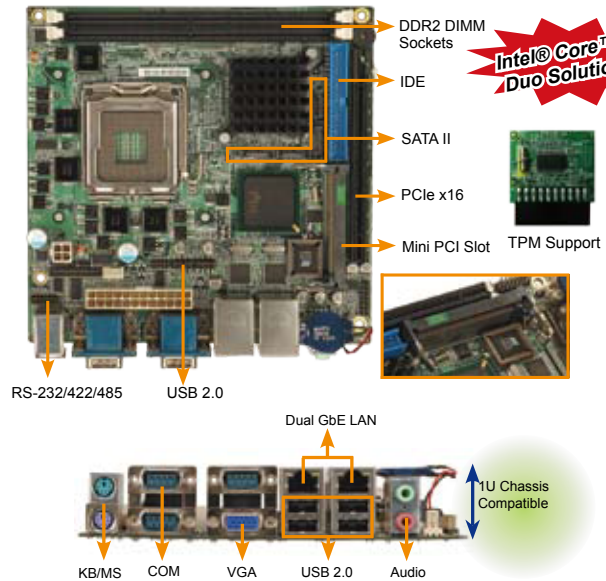
1 x KINO-9654G4 single board computer
1 x Mini jumper pack
1 x ATA66 flat cable (P/N: 32200-000052-RS)
2 x SATA cable (P/N: 32000-0628000-RS)
1 x SATA power cable (P/N: 32100-088600-RS)
1 x RS-232 cable (P/N: 32200-000049-RS)
1 x I/O shielding (P/N: 45014-0009C0-00-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
KINO-9654G4-R10	Mini-ITX motherboard, Intel® Core™2 Extreme, Core™2 Quad, Core™2 Duo CPU with VGA, Four PCIe GbE, USB 2.0 and SATA II
CB-USB02-RS	Dual USB cable
AC-KIT-883HD-R10	7.1 Channel HD audio kit with realtek ALC883 supports dual audio streams
CF-520-RS	CPU cooler (115mm x 115mm x 67mm, 115W)
CF-775A-RS	CPU cooler (92mm x 92mm x 73mm, 130W)
SDVO-100VGA-R10	PCIe x16 VGA output SDVO card supports dual display (IEI CPU board only)
SDVO-100DVI-R10	PCIe x16 DVI output SDVO card supports dual display (IEI CPU board only)

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



Intel® Core™ 2 Duo Solution

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 chipset

Specifications

- ◆ CPU
LGA 775 Intel® Core™2 Duo, Pentium® D/4/ Celeron® D with a 533/800/1066 MHz FSB
- ◆ System Chipset
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 4 GB)
- ◆ Ethernet
Dual PCIe Broadcom BCM5787M GbE chipset 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

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
19800-000110-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