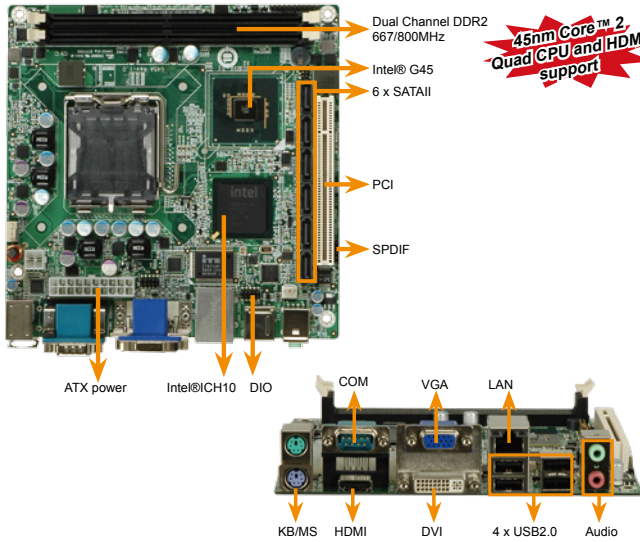


KINO-G45A

Mini-ITX SBC with Socket LGA775 for Intel® 45nm Core™ 2 Duo/Quad CPU with FSB 1333MHz, VGA/DVI/HDMI, PCIe GbE, USB2.0, SATAII and Audio



Features

1. Socket LGA775 for Intel® 45nm Core™ 2 Duo/Quad CPU with FSB 1333MHz
2. Intel® GMA X4500HD for DX10 and OpenGL 2.0 support, high performance MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) support
3. Display output support by VGA, HDMI, DVI
4. HDMI supporting all HD formats including 720p, 1080i, and 1080p.
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: Supports Intel® Core™ 2 Duo/Quad/Extreme processor with FSB 800/1066/1333MHz
- ◆ System Chipset: Intel® G45+ ICH10
- ◆ BIOS: AMI BIOS
- ◆ Memory: Two 240-pin 667/800 DDR2 dual-channel SDRAM DIMMs supported (system max. 4GB)
- ◆ Ethernet: Realtek RTL8111CP PCIe GbE Controller
- ◆ I/O Interface: 6 x USB2.0, 6 x SATAII, 1 x PS2 for KB/MS, 1 x LPT by pin header, 1 x RS-232
- ◆ Graphic: Intel® GMA X4500HD for DX10 and OpenGL 2.0 support
- ◆ Display Output: VGA integrated in the Intel® G45 support up to QXGA, Support HDMI integrated in the Intel®G45 DVI-D output support
- ◆ Expansion: 1 x PCI
- ◆ SPDIF: 1 x 5pin header
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Super IO: ITE IT8718F
- ◆ Audio: Realtek ALC888 HD codec
- ◆ FAN: 1 x CPU FAN, 1 x System FAN
- ◆ Watchdog Timer: Software Programmable support 1~255 sec. System reset
- ◆ Power Supply: ATX power
- ◆ Power Consumption: 5V@6.99A, 12V@3.54A, 3.3V@0.38A, 5VSB@0.07A(3.16GHz Intel® Core™ 2 Duo E8500 with 2GB*2 DDRII 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: 1000g / NW: 390 g

Packing List

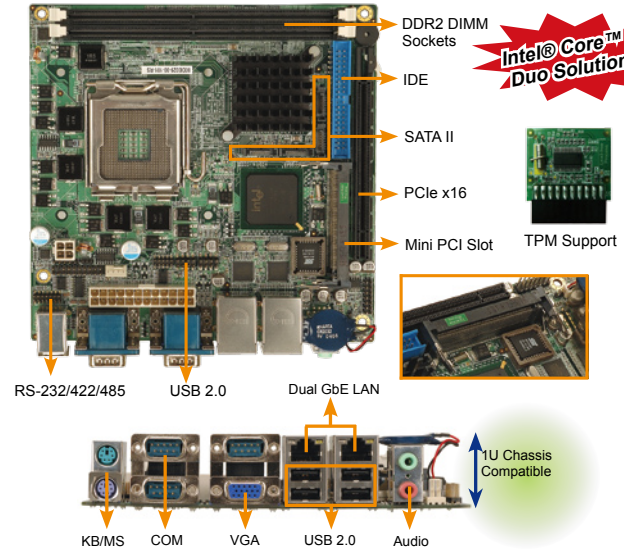
1 x KINO-G45A single board computer
6 x SATA cable (P/N: 32000-062800-RS)
1 x Dual USB cable (PN: CB-USB02-RS)
1 x I/O shielding (P/N: 45014-0028C0-00-RS)
1 x Mini jumper pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
KINO-G45A-R10	Mini-ITX SBC with Socket LGA775 for Intel® 45nm Core™ 2 Duo/Quad CPU with FSB 1333MHz, VGA/DVI/HDMI, PCIe GbE, USB2.0, SATAII and Audio
32102-000100-100-RS	SATA Power cable
CF-520-RS-R11	CPU cooler (115mm x 115mm x 67mm, 115W)
CF-775A-RS	CPU cooler (92mm x 925mm x 73mm, 130W)
SAIDE-KIT01-R10	SATA/IDE/CF converter board

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



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
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

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 supper 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: 32102-000100-100/200-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

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 Industrial Data Collector and Controller

4 Video Capture Solutions

5 I/O Communication Solutions

6 Panel Solutions

7 ORing Network Communication

8 Power Supply/Peripherals