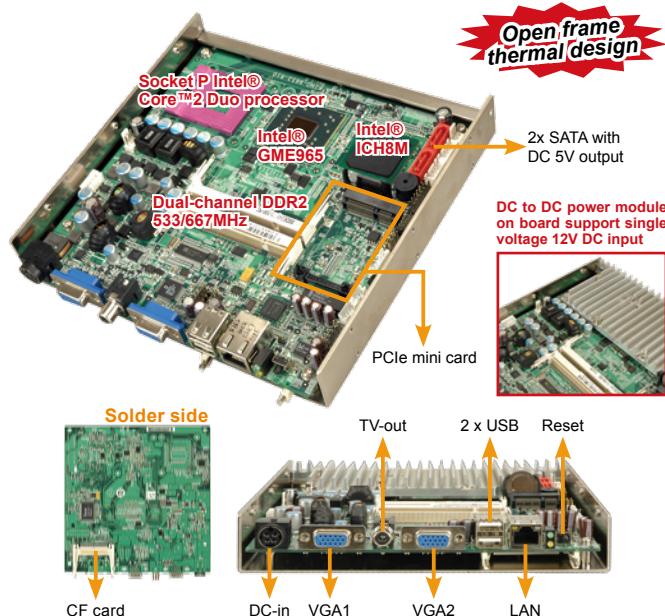


KINO-9653

Intel® Core™2 Duo CPU Mini-ITX Motherboard with dual VGA, 12V DC input, Intel PCIe Lan



Features

1. Socket P Intel® Core™2 Duo processor with 800/667/533MHz FSB
2. Support dual-channel DDR2 533/667MHz up to 4GB
3. Single voltage 12VDC input
4. Support dual VGA, TV display output
5. Integrated Intel® GMA X3100 high performance Graphic Core
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
Socket P 45nm Intel® Core™2 Duo processor with 800MHz FSB, 65nm Intel® Core™2 Duo processor with a 800 MHz FSB, Intel® Celeron® M 533 MHz FSB
- ◆ System Chipset
Intel® GME965 + ICH8M
- ◆ BIOS
AMI BIOS
- ◆ Memory
Two 200-pin DDR2 533/667MHz dual-channel SDRAM SO-DIMM supported (system max. 4GB)
- ◆ Ethernet
Intel® 82566MM GbE PHY
- ◆ I/O Interface
6 x USB2.0 (2port in Rear IO, 4port in pinheader)
2 x SATA II
1 x 6pin bus header (2.0mm pitch) for KB/MS
1 x CF Type II
- ◆ Display Output
Dual VGA connector on rear I/O
- 1st VGA Integrated in Intel®GME965
- 2nd VGA provided by Chronitel CH7317A (SDVO to VGA)
RCA jack for TV out
- ◆ Expansion
1x PCIe mini card
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Super I/O
ITE IT8718F
- ◆ Audio
HD Audio with Realtek ALC888 codec
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
Single voltage 12V DC input
1 x external DIN 4pin DC jack
1 x internal 2 x 2pin power connector
- ◆ DC connector
2pcs 1x4pin power connector for 5V output (Major for 2.5" HDD used)
- ◆ Power Consumption
12V@3.77A (Intel® Core™2 Duo T7500 2.2GHz with 2*1GB DDR2 800MHz)
- ◆ Temperature
operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operation: 5% ~95% non-condensing
- ◆ Dimensions
170mm x 170mm
- ◆ Weight : GW: 1350 g / NW: 650g

Packing List

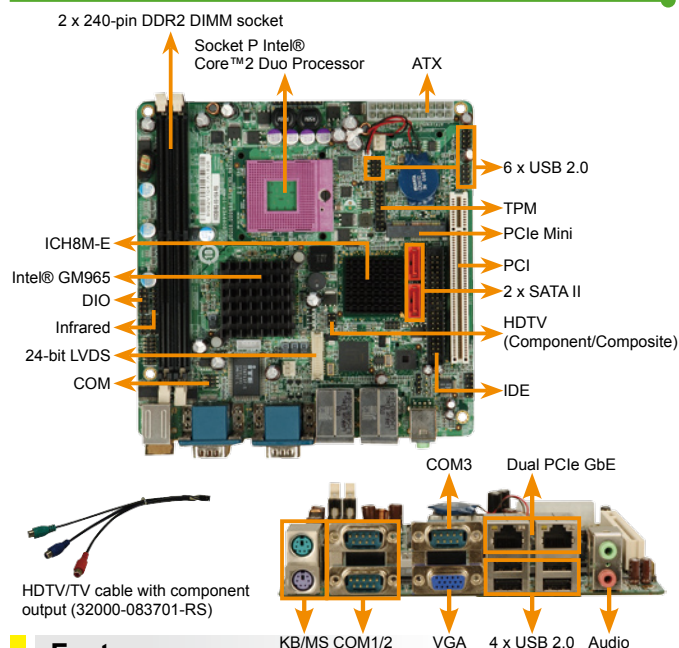
1 x KINO-9653 single board computer	
2 x SATA with 5V power cable Kits (P/N: 32801-000100-100-RS)	
1 x Dual USB cable (P/N: 32000-044300-RS)	
2 x Cooling Fan (P/N: 19FR126010BL-000001-RS)	
1 x Audio cable (P/N: 32000-072103-RS)	1 x KB/MS Y cable (P/N: 32000-023800-RS)
1 x Enclosure Heatsink	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
KINO-9653G-R10	Intel® Core™2 Duo CPU Mini-ITX Motherboard with dual VGA, 12V DC input, Intel® PCIe GbE Lan, USB2.0, SATAII and audio
WMUSB-V01-R10	USB Mini card wireless LAN module
WMPICIE-V01-R10	PCIe Mini card wireless LAN module
63000-FSP096AHB-RS	96W/12V power adaptor 90VAC~260VAC, DIN 4 PIN
32100-192900-RS	One 4-pin(2x2) to one 4-pin(1x4) DC power cable with terminal block

KINO-9652-R11

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



Features

1. Mini-ITX form factor and RoHS compliant
2. Integrated Intel® Graphics Media Accelerator (GMA) X3100
3. Intel® Core™2 Duo processor with a 800 MHz FSB
4. Supports dual-channel DDR2 667 MHz up to 2GB
5. Support VGA, LVDS and HDTV output up to 1080i
6. Three RS-232, one RS-232/422/485, eight x USB 2.0 and two SATA II
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
Socket P 45nm Intel® Core™2 Duo processor with 800 MHz FSB (Penryn Code), 65nm Intel® Core™2 Duo processor with a 800 MHz FSB, Intel® Celeron® M 533 MHz FSB (Merom Core)
- ◆ System Chipset
Intel® GME965 + ICH8M-E
- ◆ BIOS
AMI Flash BIOS
- ◆ System Memory
Two 240-pin 2GB (maximum) 533/667 MHz dual-channel DDR2 DIMM supported (maximum system memory of 4 GB)
- ◆ Ethernet
Intel® 82573L PCIe GbE chipset
Intel® 82566MM PCIe GbE chipset with Intel® iAMT 2.5 support
- ◆ I/O Interface
3 x RS-232, DB-9 connectors (a jumper configures Pin 9 as RI, +5V or +12V)
1 x RS-232/422/485, 14-pin header connector (a jumper configures Pin 9 as RI, +5V or +12V)
2 x SATA II with RAID 0,1 support
8 x USB 2.0
2 x PS/2 for KB/MS
1 x IDE
1 x 20-pin LPC for TPM
- ◆ Expansion
1 x PCIe Mini card slot
1 x PCI
- ◆ 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
ITE IT8712F
- ◆ Display Interface
VGA Integrated in the Intel® GME965
24-bit dual-channel LVDS by Intel® GME965
Composite output for NTSC/PAL TV out function
Component output for up to 1080i HDTV out function
- ◆ Audio
HD Audio interface with Realtek ALC883
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply: AT/ATX Power
- ◆ Power consumption
5V@2.5A, 12V@1.65A, 5Vsb@0.01A (Intel® Core™2 Duo T7300 2.0GHz with a 800 MHz FSB and a 533 MHz 512MB DDR2 DIMM)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity Operating:
5% ~95% non-condensing
- ◆ Dimension: 170 mm x 170 mm
- ◆ Weight: GW: 1000 g / NW: 362 g

Packing List

1 x KINO-9652 single board computer	
1 x SATA power cable (P/N: 32102-000100-100/200-RS)	
1 x I/O shielding (P/N: 45014-0014C0-00-RS)	1 x IDE flat cable (P/N: 32200-000052-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
KINO-9652-R11	Intel® Core™2 Duo CPU Mini-ITX motherboard with VGA/LVDS/HDTV, Dual PCIe GbE, USB 2.0, SATA II and Audio
CB-USB02-RS	USB Cable
32000-083701-RS	HDTV/TV Cable with component output (pin header 2.54 mm pitch)
TPM-WI01-R10	20-pin WINBOND TPM module, S/W management tool
TPM-IN01-R10	20-pin INFINEON TPM module, S/W management tool
CF-479B-RS	CPU cooler (50mm x 50mm x 26mm, 50W)
32200-026500-RS	RS-232/422/485 cable