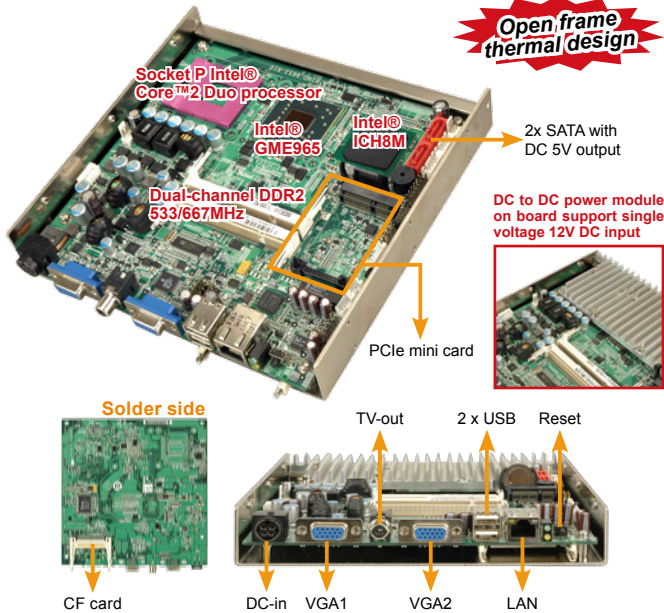


KINO-9653

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



Open frame thermal design

DC to DC power module on board support single voltage 12V DC input

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 box 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 IO
 - 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

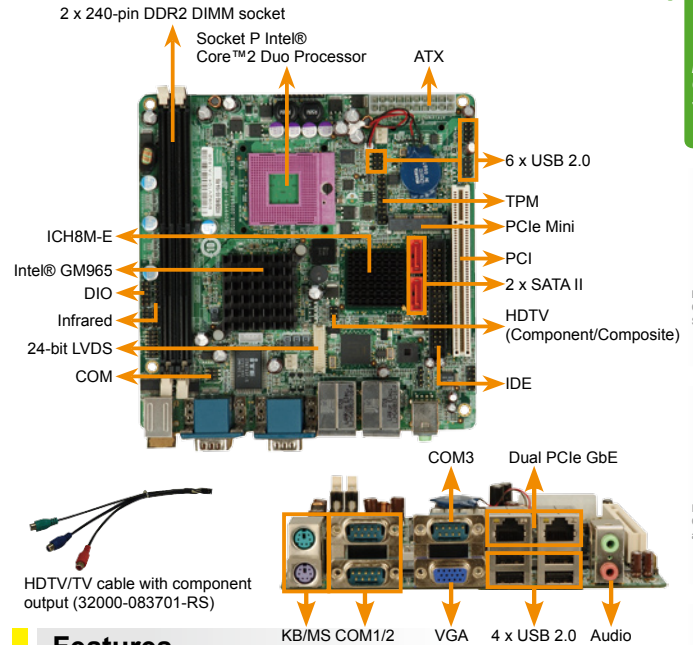
1 x KINO-9653 single board computer	
2 x SATA with 5V power cable Kits (P/N: 32801-000100-100-RS)	
1 x Dual USB cable (P/N: 32000-044300-RS)	
2 x Cooling Fan (P/N: 19FR126010BL-000001-RS)	
1 x Audio cable (P/N: 32000-072103-RS)	1 x KB/MS Y cable (P/N: 32000-023800-RS)
1 x Enclosure Heatsink	1 x Mini 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-FSP096AHS-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 ALC888
- ◆ 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