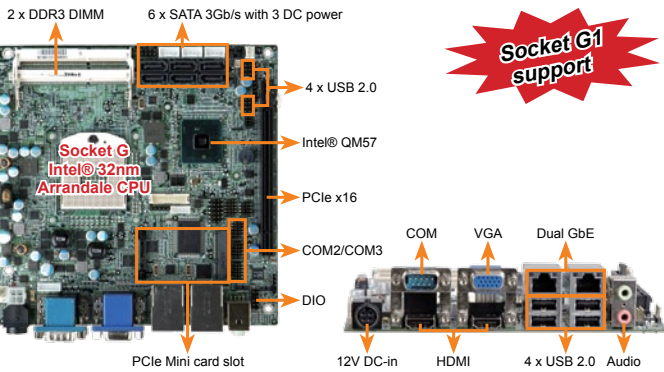


KINO-QM57A

Mini-ITX SBC with Socket G1 for Intel® mobile Core™ i7/i5/i3/Celeron® CPU, VGA/Dual HDMI/LVDS, PCIe GbE, USB 2.0, PCIe Mini, SATA 3Gb/s, Audio and RoHS



Features

- Mini-ITX SBC with Socket G1 for Intel® 32nm/45nm mobile Core™ i7/i5/i3 and Celeron® processor
- 800/1066MHz dual-channel DDR3 SO-DIMM supported (System max. 8GB)
- Analog CRT/18-bit or 24-bit dual-channel LVDS/Dual HDMI outputs supported
- Intel® GbE LAN with Intel® AMT 6.0 support, iEZman UI is bounded for remote control under Windows® environment
- UEFI software interface between OS and platform firmware
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU**
Socket G1 for Intel® mobile Core™ i7/i5/i3 and Celeron® processor (Socket 988)
- PCH:** Intel® QM57
- Memory**
Two 204-pin 800/1066MHz dual-channel DDR3 SDRAM SO-DIMM supported (system max. 8GB)
- BIOS:** UEFI BIOS
- Ethernet**
1 x Intel® 82577 GbE LAN controller with Intel® AMT 6.0 supported by iEZman software UI
1 x Intel® 82574L GbE LAN
- Graphics Engine**
Gen 5.75 with 12 Execution Units DirectX® 10, OpenGL® 2.1
- Display Output**
Dual display supported
1 x VGA
2 x HDMI
1 x 18/24-bit dual-channel LVDS support
- Note:**
The Intel® quad-core processor is a discrete processor which does not integrate a graphics engine. If a quad-core processor is used on the motherboard, an additional graphic card must be installed in order to support display output. Otherwise, the display will show "No display output" when connected to the on-board display port.
- Super I/O:** Fintek F81865
- Audio:** Realtek ALC888 HD Audio codec
- I/O Interface**
3 x RS-232 8 x USB 2.0
1 x RS-232/422/485 with auto flow control
1 x 6-pin header for KB/MS
6 x SATA 3Gb/s with RAID 0/1/5/10, support three SATA power connectors
- Expansion**
1 x PCIe Mini Card 1 x PCIe x16
- Watchdog Timer**
Software programmable supports 1~255 sec. system reset
- Digital I/O**
8-bit digital I/O, 4-bit input/4-bit output
- Fan Connector**
1 x 4-pin CPU fan connector
1 x 3-pin system fan connector
- Power Supply**
Single voltage 12V DC input
1 x External 4-pin DIN DC jack
1 x Internal 4-pin (2x2) power connector Support AT/ATX mode
- Power Consumption**
12V@5.27A (2.66GHz Intel® Core™ i7 620M CPU with two 2GB 1333MHz DDR3 DIMMs)
- Temperature**
Operation: 0°C ~ 60°C (32°F~140°F)
Operating Humidity: 5% ~ 95%, non-condensing
- Dimensions:** 170mm x 170mm
- Weight:** GW:1000g/NW:350g

Packing List

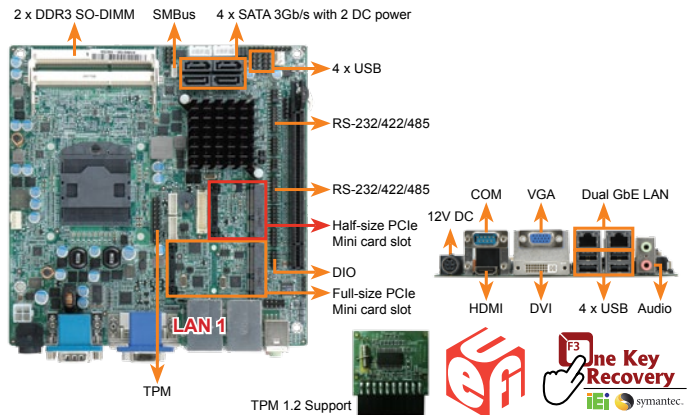
1 x KINO-QM57A single board computer	
3 x SATA with power output cable (P/N: 32801-000100-100-RS)	
1 x Dual RS-232 cable w/bracket (P/N: 19800-000112-RS)	1 x Mini jumper pack
1 x I/O shielding (P/N: 45014-0029C0-00-RS)	1 x QIG
1 x One Key Recovery CD	1 x Utility CD

Ordering Information

Part No.	Description
KINO-QM57A-R10	Mini-ITX SBC with Socket G1 for Intel® mobile Core™ i7/i5/i3/Celeron® CPU, VGA/Dual HDMI/LVDS, PCIe GbE, USB 2.0, PCIe Mini, SATA 3Gb/s and audio, RoHS
19800-003100-200-RS	Dual USB cable
SAIDE-KIT01-R10	SATA to IDE/CF converter board
WMPCIE-V01-R30	PCIe Mini card wireless LAN module
VMUSB-V01-R20	USB Mini card wireless LAN module
63000-FSP096AHB-RS	96W/12V power adaptor 90VAC~260VAC, DIN 4 pin
19800-004300-100-RS	RS-232/422/485 cable with bracket
CF-989A-RS-R12	CPU cooler for mobile socket-G (PGA988) up to 55W processor, Copper, 60mm x 60mm x 27.6mm, RoHS
CF-989B-RS-R11	CPU cooler for mobile socket-G (PGA988) 50W processor, Aluminum, 60x60x27.6mm, RoHS

KINO-HM551

Mini-ITX SBC with Socket G1 for Intel® mobile Core™ i7/i5/i3 and Celeron® CPU, VGA/DVI/LVDS/HDMI, Dual PCIe GbE, USB 2.0, Dual PCIe Mini, SATA 3Gb/s and Audio, RoHS



Features

- Mini-ITX SBC with Socket G1 for Intel® mobile Core™ i7/i5/i3 and Celeron® processor
- DDR3 800/1066MHz dual-channel SDRAM supported up to 8GB
- 18/24-bit dual-channel LVDS/Analog CRT/DVI/HDMI output supported
- PCIe x16 slot and dual PCIe Mini card for high speed device expansion
- TPM V1.2 hardware security function supported by TPM module
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU**
Socket G1 for Intel® mobile Core™ i7/i5/i3 and Celeron® processor (Socket 988)
- PCH:** Intel® HM55
- Memory**
Two 204-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM SO-DIMM supported (System max. 8GB)
- BIOS:** UEFI BIOS
- Ethernet**
Dual GbE LAN controller by Realtek RTL8111E LAN1 with ASF 2.0 support
- Graphics Engine**
Gen 5.75 with 12 Execution Units DirectX® 10, OpenGL® 2.1
- Display Interface**
Dual display supported
1 x VGA
1 x HDMI, 1 x DVI
1 x 18/24-bit dual-channel LVDS support
- Note:**
The Intel® quad-core processor is a discrete processor which does not integrate a graphics engine. If a quad-core processor is used on the motherboard, an additional graphic card must be installed in order to support display output. Otherwise, the display will show "No display output" when connected to the on-board display port.
- Super I/O:** Fintek F81865
- Audio:** Realtek ALC888 HD Audio codec
- TPM:** 2 x 10-pin header
- Expansions**
1 x PCIe Mini card slot
1 x Half-size PCIe Mini card slot
1 x PCIe x16 slot
- I/O Interface**
4 x RS-232 8 x USB 2.0
2 x RS-232/422/485 with auto flow control
4 x SATA 3Gb/s with two DC power connector
1 x 6-pin header for KB/MS
- SMBus:** 1 x 4-pin wafer connector
- Watchdog Timer**
Software programmable supports 1~255 sec. system reset
- Digital I/O**
8-bit digital I/O, 4-bit input/4-bit output
- Fan Connector**
1 x 4-pin CPU fan connector
1 x 3-pin system fan connector
- Power Supply**
Single voltage 12V DC input
1 x External 4-pin DIN DC jack
1 x Internal 4-pin (2x2) power connector AT/ATX power mode selected by jumper
- Power Consumption**
12V@4.67A (2.66GHz Intel® Core™ i7 620M CPU with two 1333MHz 4GB DDR3 DIMM)
- Operating Temperature:** -10°C ~ 60°C
- Operating Humidity:** 5% ~ 95%, non-condensing
- Dimensions:** 170mm x 170mm
- Weight:** GW: 900g/NW: 450g

Packing List

1 x KINO-HM551 single board computer	
1 x Dual RS-232 cable with bracket (P/N: 19800-000112-RS)	
2 x SATA with power cable (P/N: 32801-000100-100-RS)	1 x Mini jumper pack
1 x I/O shielding (P/N: 45014-0032C0-00-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
KINO-HM551-R10	Mini-ITX SBC with Socket G1 for Intel® mobile Core™ i7/i5/i3 and Celeron® CPU, VGA/DVI/LVDS/HDMI, Dual PCIe GbE, USB 2.0, Dual PCIe Mini, SATA 3Gb/s and Audio, RoHS
19800-003100-200-RS	Dual USB cable with bracket
SAIDE-KIT01-R10	SATA to IDE/CF converter board
19800-004300-100-RS	RS-232/422/485 cable with bracket
32000-023800-RS	KB/MS Y cable
CF-989A-RS-R12	CPU cooler for mobile socket-G (PGA988) up to 55W processor, Copper, 60mm x 60mm x 27.6mm, RoHS
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17

KINO-HM551 (Unit: mm)

