

KINO-QM57A

Mini-ITX SBC with Socket G for Intel® mobile Core™ i7/ i5/ Celeron CPU, VGA/Dual HDMI/LVDS, PCIe GbE, USB2.0, PCIe mini, SATAII and Audio



1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 Industrial Data Collector and Controller

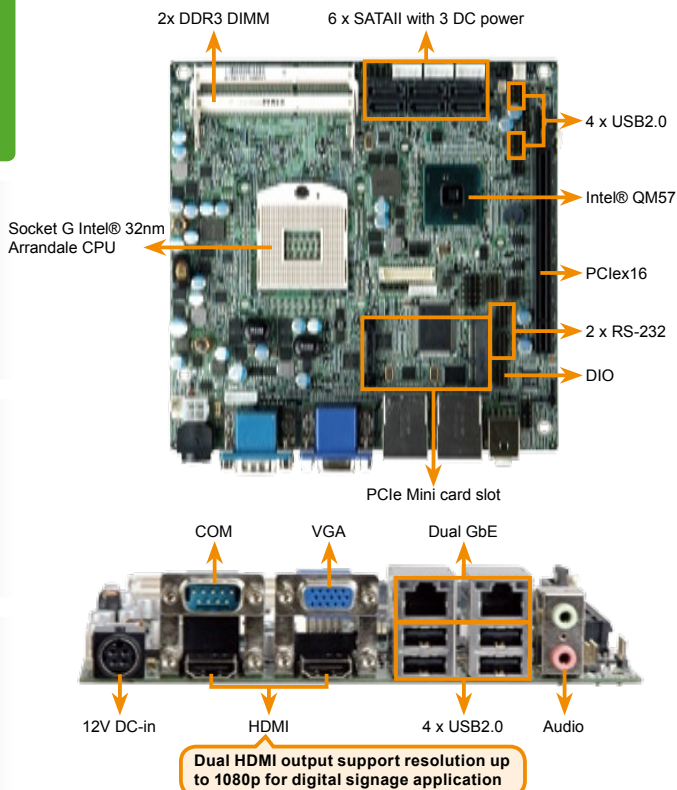
4 Video Capture Solutions

5 I/O Communication Solutions

6 Panel Solutions

7 ORing Network Communication

8 Power Supply Peripherals



| CPU Socket | Process | Brand | CPU Code | CPU No. | Clock speed | L2 cache | TDP | Intel® AMT6.0 | Chipset |
|------------------|---------|----------|-----------|---------|-------------|----------|-----|---------------|---------|
| Socket G 989 pin | 32nm | Core™ i7 | Arrandale | i7-620M | 2.66G | 4M | 35W | V | QM57 |
| | | Core™ i5 | | i5-520M | 2.4G | 4M | 35W | V | |
| | | Celeron® | | P4500 | 1.86 | 2M | 35W | | |

IEI Easy Manager Features:

1. Remote troubleshooting and recovery
2. Event log and alert
3. Remote HW/SW asset tracking
4. Network outbreak containment
5. Agent presence alerts when agent is unresponsive

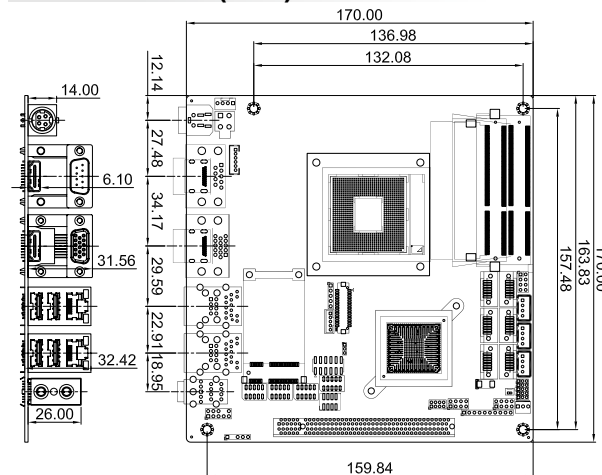


One Key Recovery

Features

1. Mini-ITX SBC with Socket G for Intel® 32nm/ 45nm mobile Core™ i7/ i5/ Celeron processor
2. 800/1066MHz dual-channel DDR3 SDRAM supported (system max. 8GB)
3. Analog CRT/18-bit or 24-bit dual-channel LVDS/Dual HDMI outputs supported
4. Intel® GbE LAN with Intel® AMT 6.0 support, iEZman UI is bounded for remote control under Windows environment
5. UEFI software interface between OS and platform firmware
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Specifications

- ◆ CPU: Socket G (PGA989) Intel® 32nm/ 45nm mobile Core™ i7/ i5/ Celeron processor
- ◆ PCH: Intel® QM57
- ◆ Memory: Two 204-pin 800/1066 MHz dual-channel DDR3 SO-DIMMs supported (system max. 8GB)
- ◆ BIOS: AMI 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
- ◆ Graphic Engine: Gen 5.75 with 12 Execution Units Direct* 10, OpenGL* 2.1
- ◆ Display Output: VGA integrated in Intel® QM57, resolution: 2048x1536@75Hz; 18/24-bit dual-channel LVDS support, resolution: 1920x1200@60Hz; Dual HDMI output, resolution: 1920x1200@60Hz
- ◆ Super I/O: Fintek F81865
- ◆ Audio: Realtek ALC888 HD codec
- ◆ I/O Interface: 3 x RS-232 (1 x RS-232/422/485); 8 x USB2.0 (1 x 6-pin header for KB/MS); 6 x SATA II with three SATA power connectors; Raid 0/1/5/10 Support
- ◆ Extension: 1 x PCIe Mini Card; 1 x PCIe x16
- ◆ Watchdog Timer: Software Programmable support 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)
- ◆ Operation Temperature: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Operation Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 170mm x 170mm
- ◆ Weight: GW:1000g / NW:350g

Packing List

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

Ordering Information

| Part No. | Description |
|--------------------|---|
| KINO-QM57A-R10 | Mini-ITX SBC with Socket G for Intel® mobile Arrandale CPU, VGA/Dual HDMI/LVDS, PCIe GbE, USB2.0, PCIe mini, SATAII and Audio |
| CB-USB02-RS | Dual USB cable |
| SAIDE-KIT01-R10 | SATA to IDE/CF converter board |
| WMPICIE-V01-R20 | PCIe Mini card wireless LAN module |
| WMUSB-V01-R20 | USB Mini card wireless LAN module |
| 63000-FSP096AHB-RS | 96W/12V power adaptor 90VAC~260VAC, DIN 4 pin |
| 19800-000110-RS | RS-232/422/485 cable with bracket |
| CF-989A-RS-R11 | CPU Cooler, Copper, 45W |
| CF-989B-RS | CPU Cooler, Aluminum |