

# KINO-QM57A

Mini-ITX SBC with Socket G for Intel® mobile Arrandale 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

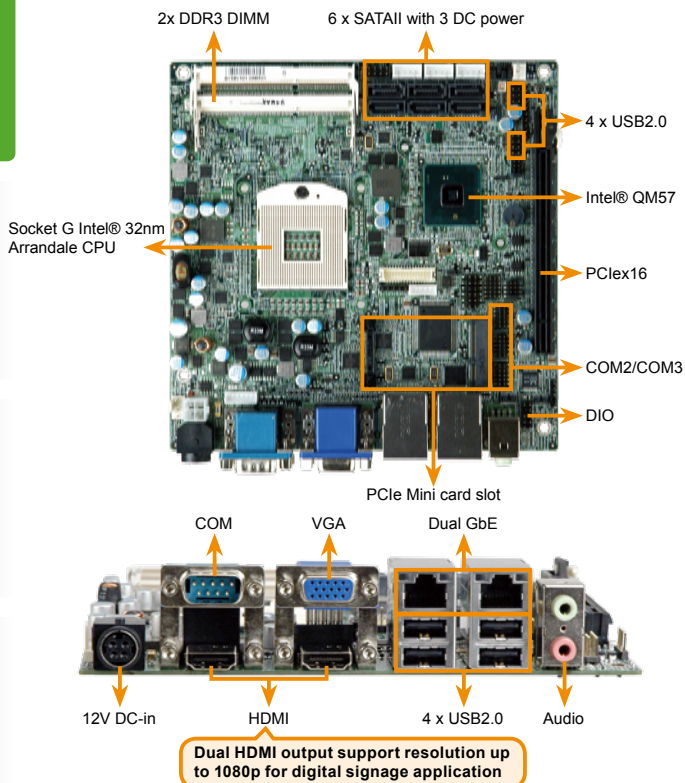
4 Video Capture Solutions

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	iAMT6.0	Chipset
Socket G 989 pin	32nm	Core™ i7	Arrandale	i7-620M	2.66G	4M	35W	V	QM57
		Core™ i5	Arrandale	i5-520M	2.4G	4M	35W	V	
		Celeron®		P4500	1.86	2M	35W		

### IEI Easy Manager Features:

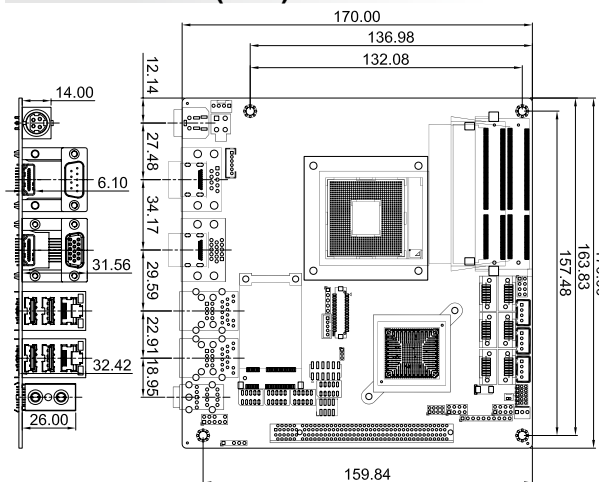
1. Remote troubleshooting and recovery
2. Event log and alert
3. Remote HW/SW asset tracking
4. Network outbreak containment
5. Agent presence alerts when agent is unresponsive



### Features

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

### Dimensions (mm)



### Specifications

- ◆ CPU: Socket G (PGA989) Intel® 32nm Arrandale processor
- ◆ PCH: Intel® QM57
- ◆ Memory: Two 204-pin 800/1066 MHz dual-channel DDR3 SO-DIMMs supported (system max. 4GB)
- ◆ BIOS: AMI BIOS
- ◆ Ethernet: 1 x Intel® 82577 GbE LAN controller with iAMT 6.0 supported by iEZman software UI; 1 x Intel® 82574L GbE LAN
- ◆ Graphic Engine: Gen 5.75 with 12 Execution Units DirectX\* 10, OpenGL\* 2.1
- ◆ Display Output: VGA integrated in Intel® QM57; 18/24-bit dual-channel LVDS support; Dual HDMI output
- ◆ Super I/O: Fintek F81865
- ◆ Audio: Realtek ALC888 HD codec
- ◆ I/O Interface: 2 x RS-232; 1 x RS-232/422/485; 8 x USB2.0; 6 x SATA II with three SATA power connectors; 1 x 6-pin header for KB/MS
- ◆ 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: 12W@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
WMPCIE-V01-R10	PCIe Mini card wireless LAN module
WMUSB-V01-R10	USB Mini card wireless LAN module
63000-FSP096AHB-RS	96W/12V power adaptor 90VAC~260VAC, DIN 4 pin
CF-989A-R10	CPU Cooler