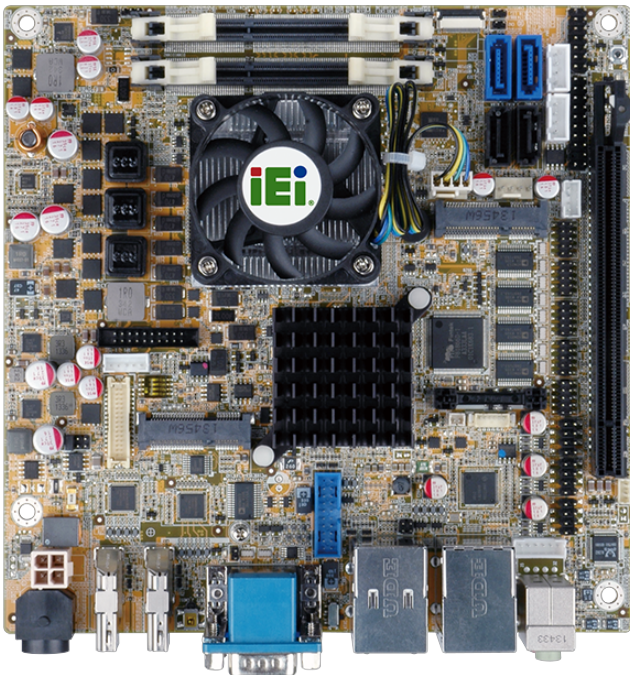


KINO-DQM871

Mini-ITX SBC supports 4th generation 22nm Intel® mobile processors,



Features

- » 4th generation Intel® mobile Core i7/i5/i3 or Celeron® on-board processor
- » DDR3 1066/1333/1600 MHz dual-channel SDRAM
- » HDMI™ 1.4a compliant, triple independent display supported
- » 3D micro-architecture enhancement supports DX11.1, OCL 1.2 and OGL3.2
- » Rich media acceleration for hardware decode and encode acceleration
- » Intel® GbE LAN with Intel® AMT 9.0 support
- » High speed I/O interface for PCIe Gen 3.0 add-on card, USB 3.0 and SATA 6Gb/s supported
- » Supports dual PCIe Mini expansion for PCIe Mini device and mSATA
- » IEI jumper-less function
- » Support IPMI 2.0 with iRIS-1010 module

Specifications

| System | |
|--------------------------|--|
| CPU | Intel® mobile Core™ i7-4700EQ on-board processor with Intel® AMT 9.0 support (2.4GHz, quad-core, 6MB cache, TDP=47W) |
| | Intel® mobile Core™ i5-4402E on-board processor with Intel® AMT 9.0 support (1.6GHz, dual-core, 3MB cache, TDP=25W) |
| | Intel® mobile Core™ i5-4400E on-board processor with Intel® AMT 9.0 support (2.7GHz, dual-core, 3MB cache, TDP=37W) (by request) |
| Chipset | Intel® QM87 |
| Memory | Two 204-pin 1600/1333 MHz dualchannel DDR3 SDRAM unbuffered DIMMs |
| Memory Max. | 16GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 170 X 170 |
| Net Weight | 450g |
| Storage | |
| Storage | 4 x SATA :2 X 3Gb/s, 2 X 6Gb/s(RAID 0/1/5/10 supported) |
| I/O Interface | |
| Display Output | 1 x VGA :up to 1920x1200@60Hz 2 x HDMI™ :up to 2500x1600@60Hz 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz) 1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz) |
| Ethernet | 2 x LAN :LAN1: Intel® I217LM with Intel® AMT 9.0 support LAN2: Intel® I210-AT PCIe controller |
| Audio | Description: Realtek ALC662 HD codec supports 5.1-channel 1 x Line out :on rear IO Mic :on rear IO |
| I/O Interface | 1 x External RS-232 4 x Internal RS-232 :2x5 pin, P=2.0 1 x Internal RS-422/485 :1x4 pin, p=2.0 |

| | |
|-----------------------|---|
| | 2 x External USB 2.0 |
| | 1 x External USB 3.2 Gen1x1 |
| | 6 x Internal USB 2.0 :2x4 pin, P=2.54 |
| | 2 x Internal USB 3.2 Gen1x1 :2x10 pin, p=2.0 |
| | 1 x PS/2 :1x6 pin |
| Expansion | 1 x PCIe x16 |
| | 1 x PCIe mini Card Slot :Full-size slot(support mSATA) |
| Other Features | |
| TPM | 2x10 pin |
| Power | |
| Power Consumption | 12V@6.03A (Intel® Core™ i7-4770EQ, 2.4GHz CPU with 8 GB (two 4 GB 1333 MHz DDR3 memory) |
| Power Supply | 12V DC input 1 x Internal power connector (2x2 pin) 1 x External DC jack (4-pin DIN) Support AT/ATX mode |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|------------------------|---|
| KINO-DQM871-i1-i7-R10 | Mini-ITX SBC supports Intel® 22nm 4th Generation Mobile Core™ i7-4700EQ processor (47W), HDMI™ / VGA / LVDS / iDP, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Audio, iRIS-1010 and RoHS |
| KINO-DQM871-i1-i5E-R10 | Mini-ITX SBC supports Intel® 22nm 4th Generation Mobile Core™ i5-4402E processor(25W), HDMI™ / VGA / LVDS / iDP, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Audio, iRIS-1010 and RoHS |

Packing List

| | |
|--------------------------------|----------------------------------|
| 1 x KINO-DQM871-i1 motherboard | 2 x SATA with power output cable |
| 1 x CPU cooler | 1 x Mini jumper pack |
| 1 x I/O shielding | 1 x QIG |