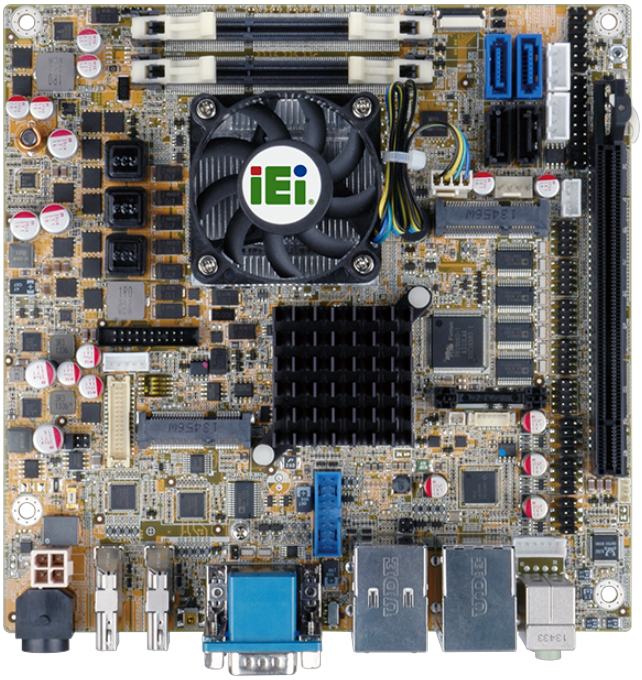
KINO-DQM871

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