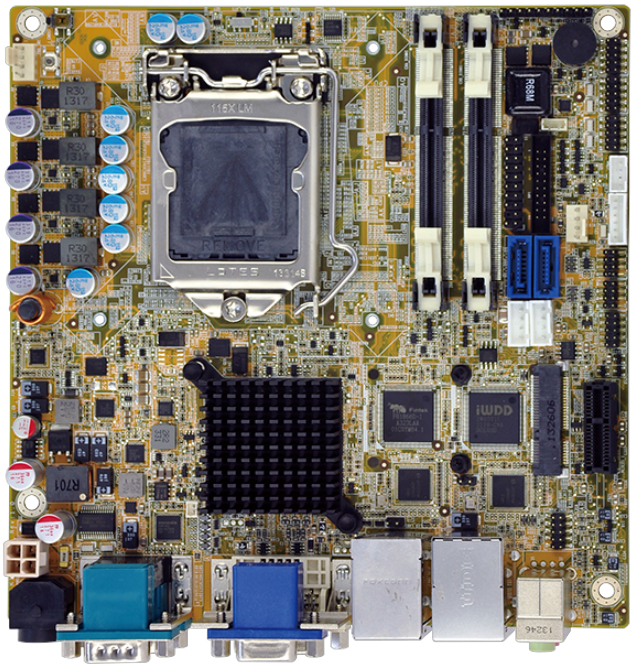
KINO-DH810

Mini-ITX SBC with LGA1150 4th generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU



Features

» 4th generation LGA1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported

» DDR3 1066/1333/1600 MHz dual-channel SDRAM

» 3D micro-architecture enhancement supports DX11.1, OCL 1.2 and OGL3.2

» Rich media acceleration for hardware decode and encode acceleration

» High-speed I/O interface for USB 3.0, SATA 6Gb/s and mSATA

» IEI Jumper-less function

Specifications

System	
CPU	4th generation LGA1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
Chipset	Intel® H81
Memory	Two 204-pin 1600/1333 MHz dual-channel DDR3 SDRAM unbuffered SO-DIMM
Memory Max.	16GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	170 X 170
Net Weight	450g
Storage	
Storage	2 x SATA :6Gb/s with SATA power connector
I/O Interface	
Display Output	1 x VGA :up to 1920x1200@60Hz
	1 x DVI-D :up to 2560x1600@60Hz
	1 x iDP :interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)
Ethernet	2 x LAN Intel® I211-AT PCIe controller
Audio	Description: Realtek ALC662 HD Audio codec
	1 x Line out :on rear IO
	1 x Mic :on rear IO
	1 x Front Audio :2x5 pin
I/O Interface	2 x External RS-232
	3 x Internal RS-232 :2x5 pin, p=2.0
	2 x Internal RS-422/485 :1x4 pin, p=2.0
	2 x External USB 2.0
	2 x External USB 3.2 Gen1x1
	2 x Internal USB 2.0 :2x4 pin, p=2.0
Expansion	1 x PCIe x1
	1 x PCIe mini Card Slot :Full-Size slot(support mSATA)
Other Features	

TPM	2x10 pin
Power	
Power Consumption	+12V@6.03A
	(Intel® Core™ i7-4770K 3.90 GHz CPU with two 1333 MHz 4 GB DDR3 memory)
Power Supply	12V only DC input
	1 x External DC jack (4-pin DIN)
	1 x Internal power connector (2x2 pin)
	Support AT/ATX mode
Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

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Ordering Information

KINO-DH810-R10	Mini-ITX SBC support LGA1150 CPU, DVI-D /VGA / iDP, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio and RoHS
KINO-DH810-ECO-R10	LGA1150 Intel® 4th generation Core™ i7/i5/i3, Pentium® or Celeron® CPU, DDR3, DVI-D, VGA, iDP, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio, ECO packing and RoHS

Packing List

1 x KINO-DH810 single board computer	2 x SATA with power cable kit
1 x I/O shielding	1 x QIG