

# KINO-DH610

Mini-ITX SBC supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU



## Features

- » LGA1155 socket for 2nd generation Intel® Core™ i3/Pentium®/Celeron® processor supported
- » Up to 16 GB 1333/1066 MHz dual-channel DDR3 SDRAM
- » Supports dual display by DVI/VGA/HDMI™
- » SATA 3Gb/s, PCI and PCIe x1 expansion slots supported
- » Wide range 9 ~ 28V DC input support with either adaptor or 4-pin (2x2) ATX power connector
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

System	
CPU	LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® dual-core processor (TDP 65W max.)
Chipset	Intel® H61
Memory	Two 204-pin 1066/1333 MHz dual-channel unbuffered DDR3L SDRAM SO-DIMM
Memory Max.	16GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	170 X 170
Net Weight	700g
Storage	
Storage	4 x SATA :3Gb/s
I/O Interface	
Display Output	1 x VGA :up to 2048x1536@75Hz 1 x DVI-D :up to 1920x1200@60Hz 1 x HDMI™ :up to 1920x1200@60Hz
Ethernet	2 x LAN :LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support LAN2: Realtek RTL8111E PCIe GbE controller
Audio	Description: Realtek ALC662 HD codec 1 x Line out :on rear IO 1 x Mic :on rear IO
I/O Interface	1 x External RS-232 1 x Internal RS-232/422/485 :2X7 pin, p=2.0 4 x External USB 2.0 1 x PS/2 :1x6 pin
Expansion	1 x PCIe x1 1 x PCI Slot
Other Features	
TPM	2x10 pin
Power	
Power Consumption	12V@5.07A (2.2GHz Intel® G620T with two 1066 MHz 2 GB DDR3 memory running 3DMark06 burn in)

	12V@8.85A (2.8GHz Intel® Core™ i7-2600S with two 1066 MHz 2 GB DDR3 memory running 3DMark06 burn in)
Power Supply	Maximum input voltage range: 9V ~ 28V Recommended operating input voltage range: 12V ~ 24V
	1 x External DC jack (4-pin DIN) 1 x Internal power connector (2x2 pin)
<b>Environment</b>	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
<b>Certifications</b>	
Safety & EMC	CE/FCC compliant

## Ordering Information

KINO-DH610-R10	Mini-ITX SBC supports LGA1155 CPU,DDR3,VGA/DVI-D/HDMI™,Dual PCIe GbE,USB 2.0,SATA 3Gb/s,HD Audio and RoHS
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## Packing List

1 x KINO-DH610 single board computer	1 x I/O shielding
1 x Mini jumper pack	2 x SATA with 5V power cable
1 x QIG	