

# EC0-1817 ATX Motherboard with Intel® H81/Q87 Chipset

## Brief Introduction

EC0-1817 is a standard ATX motherboard with Intel® H81/Q87 chipset, support LGA1150 Intel® 4th Gen Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor. Q87 support Intel® Xeon™ E3 V3 series embedded CPU like E3-1275 V3. H81 support up to 16GB RAM and Q87 support up to 32GB RAM. EC0-1817 also features with rich I/O and expansion including 2 x LAN, 10 x USB, 10 x COM, VGA, DVI-D, HDMI, PS/2, LPT, Audio, GPIO, TPM, PCIE and PCI.



## Features

Intel® H81/Q87 chipset

Support Intel® LGA1150 4th Gen i7/i5/i3/Pentium®/Celeron®

4 x 240PIN DDR3 DIMMs support up to 32GB

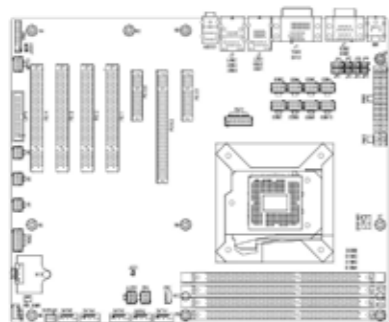
VGA + 2xDVI-D, support dual-display (H81) and tri-display (Q87)

2 x LAN/10 x USB/10 x COM

1 x PCIe16/2x PCIe1/4 x PCI

ATX power supply

## Product size chart



( Company : MM )

## Specifications

Items	Specification	
Chipset	Intel® H81	Intel® Q87
CPU	Support LGA1150 Intel® 4th Gen Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor, Q87 support Intel® Xeon™ E3 V3 series embedded CPU	
Memory	2 x 240PIN DDR3 DIMMs 1333/1600 Non-ECC, up to 16GB	4 x 240PIN DDR3 DIMMs 1333/1600 Non-ECC, up to 32GB
Storage	2 x SATA 3.0, 2 x SATA 2.0	6 x SATA 3.0, RAID 0/1/5/10
LAN	2 x 10/100/1000Mbps RJ45 LAN1: Intel® I211 controller, support wake-on-line and PXE boot LAN2: Intel® I211	
Rear I/O	1 x VGA, 1 x DVI-D support dual-independent display	1 x VGA, 1 x DVI-D support tri-independent display
	2 x USB 3.0, 2 x USB 2.0	
	2 x 10/100/1000Mbps RJ45	
	2 x Serial ports, support RS232/422/485 and auto-flow control in RS485	
	Audio, support Mic-in, Line-in, Line-out	
Internal I/O	2 x PS/2	
	1 x DVI-D	
	6 x USB 2.0	
	8 x Serial ports, support RS232	
	2 x SATA 3.0, 2 x SATA 2.0	6 x SATA 3.0, RAID 0/1/5/10
	1 x LPT	
	1 x 8ch GPIO	
1 x TPM		
1 x SMBUS		
Expansion	1 x PCIe16, support PCIE 2.0/1.1 2 x PCIe1 (x4 connector), support PCIE 2.0/1.1 4 x PCI, 5V 32bit, support PCI Rev 2.3	1 x PCIe16, support PCIE 2.0/1.1 1 x PCIe4, support PCIE 2.0/1.1 1 x PCIe1 (x4 connector), support PCIE 2.0/1.1 4 x PCI, 5V 32bit, support PCI Rev 2.3
Watchdog Timer	1 ~ 255sec/min timer system reset or interrupt	
Power Supply	ATX power supply	
Operating System	Win7, Win8, Win10, Win7E, Linux	
Environment	Operating temperature: -10 ~ 60 Storage temperature: -20 ~ 80 Humidity: 5% ~ 95% Non-condensing	
Dimensions(L x W)	305mm x 244mm	

## Ordering Information

P/N	Model	Description
0030-020741	EC0-1817-H81	ATX MB/Intel® H81/Support LGA1150 4th Gen Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU/ 2 x 240PIN DDR3 DIMMs/VGA/2DVI-D/4SATA/2LAN/10USB/10COM/2 x PS2/Audio/8ch GPIO/LPT/ TPM/1 x PCIe16/2 x PCIe1/4 x PCI/ATX power supply
0030-020751	EC0-1817-Q87	ATX MB/Intel® Q87/Support LGA1150 4th Gen Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU/ 4 x 240PIN DDR3 DIMMs/VGA/2DVI-D/6SATA/2LAN/10USB/10COM/2 x PS2/Audio/8ch GPIO/LPT/ TPM/1 x PCIe16/1 x PCIe4/1 x PCIe1/4 x PCI/ATX power supply