

B85M-E

Note: The specifications are subject to change without notice.

CPU	LGA1150 socket for 4th Generation Intel® Core™ i7/ i5/ i3, Pentium®/Celeron® Processors Supports 22nm CPU Supports Intel® Turbo Boost Technology 2.0* * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.
Chipset	Intel® B85 Express Chipset
Memory	4 x DIMM, max. 32GB*, DDR3 1600/1333/1066 MHz, non-ECC, un-buffered memory Dual channel memory architecture *Refer to www.asus.com or this user manual for the Memory QVL(Qualified Vendors Lists).
Expansion Slots	1 x PCI Express 3.0/2.0 x16 1 x PCI Express 2.0 x16 (@ x4) 1 x PCIe 2.0 x1 1 x PCI slot
Graphics	Integrated Graphics Processor Multi-VGA output support :DP/HDMI/DVI-D/D-Sub ports - Supports DisplayPort with max. resolution 4096x2160@24Hz / 3840x2160@60Hz - Supports HDMI with max. resolution 4096x2160@24Hz / 2560x1600@60Hz - Supports DVI-D with max. resolution 1920x1200@60Hz - Supports D-Sub with max. resolution 1920x1200@60Hz Maximum shared memory of 1024 MB
Multi-GPU support	Supports ATI® CrossFireX™ Technology
Storage	Intel® B85 Express Chipset - 2 x SATA 3.0 Gb/s ports - 4 x SATA 6.0 Gb/s ports
LAN	Realtek® RTL8111F PCIe Gigabit LAN Controller
Audio	6+2 Channels Realtek ALC887-VD High Definition Audio CODEC - Supports Jack-Detection, Multi-streaming, Anti-pop Function, Front Panel Retasking
USB	8 x USB 2.0 ports (6 ports at mid-board, 4 ports at back panel) 4 x USB 3.0 ports (2 ports at mid-board, 2 ports at back panel)
	ASUS EZ DIY - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS Q-DIMM - ASUS Q-SLOT
	ASUS Exclusive Features - ASUS GPU Boost - ASUS USB 3.0 Boost - Network iControl - AI Suite III - AI Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - ASUS EPU
	ASUS Quiet Thermal Solution - ASUS Fan Xpert2
	100% Solid Capacitors
	Support SBA
Back Panel I/O Ports	1 x PS/2 Keyboard (Purple) 1 x PS/2 Mouse port (Green) 1 x DisplayPort 1 x HDMI 1 x DVI-D 1 x D-Sub 1 x RJ45 port 4 x USB 2.0/1.1

	2 x USB 3.0
	1 x 3 Audio jacks
Internal I/O Connectors	1 x USB 3.0 connectors support additional 2 USB 3.0 ports
	2 x USB 2.0 connectors support additional 4 USB 2.0 ports
	4 x SATA 6Gb/s connector
	2 x SATA 3.0Gb/s connectors
	1 x CPU Fan connector
	2 x Chassis Fan connectors
	1 x Front panel audio connector(s) (AAFP)
	1 x System panel connector
	1 x 24-pin ATX Power connector
	1 x 4-pin ATX 12V Power connector
	1 x Speaker connector
	1 x COM port header
	1 x LPT port header
	1 x Chassis Intrusion header
	1 x Clear CMOS jumper
1 x TPM Header	
BIOS	128 Mb Flash ROM, AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.7, ACPI 2.0a, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3
Manageability	WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, PXE
Accessories	2 x Serial ATA 6.0Gb/s cable
	1 x Support DVD
	1 x I/O Shield
	User's manual
Support Disc	Drivers
	ASUS Utilities
	ASUS Update
	Anti-virus software (OEM version)
Form Factor	mATX Form Factor, 9.6"x 8.4" (24.4cm x 21.3cm)