

EC0-1816 (F)

Embedded GPU Computing Platform

EC0-1816 is an ATX structure motherboard developed based on Intel® H61 chipset. It supports Ivy bridge/Sandy bridge LGA1155 pin processors, VGA+DVI-D display function, multiple IO ports, and PCIe, PCI bus expansion. It can be widely used in industrial automation control, automatic testing, safety monitoring, intelligent transportation, communication automation, environmental protection testing, and other fields.



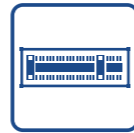
Product Features



1 x M.2 port

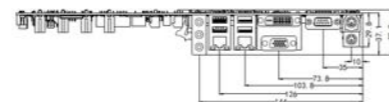
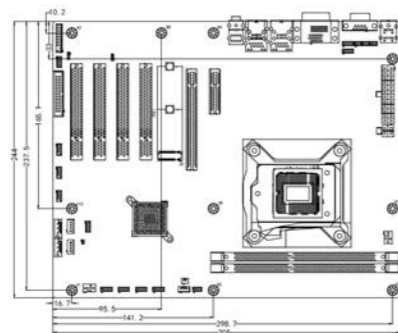


10 x USB port



4 x PCI+2 x PCIe expansion

Product Dimensions Drawing



Please refer to the user manual to check detailed specifications and dimension. (Unit: MM)

Product Specifications

Item	Description
Processor	Supports Ivy bridge/Sandy bridge LGA 1155 pin processors
Chipset	H61
Memory	2 x 240Pin standard DDR3 DIMM memory slot, a single memory supporting 8GB, the two supporting up to 16GB
Display Ports	1 x VGA 1 x DVI-D
Audio Ports	Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 x Gigabit LAN port LAN1 supporting Wake-on-LAN Note: Because PCIe x4 slot and LAN2 share resource, when PCIe x4 is occupied, LAN2 network port can not work.
Storage	3 x SATA2.0, supporting hotswap function under AHCI mode
IO Ports	1 x parallel port 6 x COM port, including COM1 onboard, supporting RS-232/422/RS-485 mode selection 1 x M.2 KEY-B-2280 port 10 x USB2.0 port 1 x PS/2 port 1 x 8-channel digital I/O port 1 x TPM port
Bus Expansion	4 x PCI 1 x PCIe16 1 x PCIe4 (actually providing x1 signal)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Relative Humidity	5%~95% (non-condensing)
Dimensions	305mm (L) × 244mm (W) × 39.9mm (H)
Operating System	WINXP, WINXPE, WIN7, LINUX systems

Ordering Information

Part No.	Model	Description
0030-023521 1030-030801	EC0-1816(F)	ATX structure motherboard/H61 chipset/supports Ivy Bridge Sandy Bridge LGA1155 pin processors/2 x DDR3 memory slot/VGA+DVI-D/2 x Gigabit LAN port/3 x SATA2.0/1 x M.2 KEY-B-2280 port/10 x USB2.0/6 x COM port/4 x PCI/1 x PCI_Ex16/1 x PCIe4/1 x LPT/1 x 8-channel GPIO/1 x TPM/1 group of audio ports
0030-023531 1030-032341	EC0-1816(F)-NS	ATX structure motherboard/H61 chipset/supports Ivy Bridge Sandy Bridge LGA1155 pin processors/2 x DDR3 memory slot/VGA+DVI-D/2 x Gigabit LAN port/3 x SATA2.0/1 x M.2 KEY-B-2280 port/10 x USB2.0/6 x COM port/4 x PCI/1 x PCI_Ex16/1 x PCIe4/1 x LPT/1 x 8-channel GPIO/1 x TPM/no sound card

Note: The final interpretation rights for product specifications, ordering information, etc. belong to EVOC Intelligent Technology Co., Ltd.