



Industrial Mini-ITX Motherboard with fanless onboard Intel® 7th Gen. Core™ Processors, USB 3.0, SATA 3.0 with RAID, (2) Gigabit LAN, triple Displayport, Audio, DC9~36V input

Features

- Onboard Intel 7th Gen. Core Processors
- (2) Gigabit Ethernet supported
- (2) SATA 3.0 with RAID 0/1/5
- Watchdog & Hardware Monitor function
- Triple DisplayPort

CPU

- Onboard Intel Core i7-7600U Processor, Dual Core, 4M Cache, 2.80GHz (3.9GHz), 15W
- Onboard Intel Core i5-7300U Processor, Dual Core, 3M Cache, 2.60GHz (3.5GHz), 15W
- Onboard Intel Core i3-7100U Processor, Dual Core, 3M Cache, 2.40GHz, 15W

System Memory

- (2) 260-pin SO-DIMM dual channel DDR4
1866/2133 max. up 32 GB

Display Interface

- Intel® HD Graphics GT Series
- (1) LVDS/eDP, (2) DP++
- Supports up to 4096 x 2304 @60Hz Resolution

Ethernet

- (2) Gigabit LAN with Intel® I210AT and i219LM
- Supports Wake-on-LAN, PXE Boot ROM

Audio

- Built-in HD Audio Codec with Realtek ALC888S



I/O Interface

- (1) RS232 & (1) RS232/422/485 serial ports
- (4) USB 3.0 and (4) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (2) SATA 3.0 with RAID 0/1/5
- (1) LPC & (1) SMBus

Onboard Expansion

- (1) PCIe x4 Gen3
- (1) Full-size Mini PCIe (PCIe/USB)
- (1) M.2 M Key (2242/2260/2280) (PCIe/SATA)

Environment Spec

- -20 ~ 70°C operation temperature
(7100U only for 0 ~ 60°C)
- Operation humidity under 10% ~ 95%

Dimension

- 170mm x 170mm

Ordering Information

MBC-6609A2GPR-7600U	Fanless onboard 7th Generation Intel® Core™ i7-7600U
MBC-6609A2GPR-7300U	Fanless onboard 7th Generation Intel® Core™ i5-7300U
MBC-6609A2GPR-7100U	Fanless onboard 7th Generation Intel® Core™ i3-7100U