

GMB-IW48000

Intel® 10th Gen. Comet Lake-S Mini-ITX Mainboard



Features

- Supports Intel® 10th Gen Xeon® and Core™ i9/i7/i5/i3 processor with Intel® W480E chipset
- 2 x 260-pin DDR4 3200 MHz SO-DIMM socket, supports up to ECC / Non-ECC memory. (ECC supported by Processor)
- Support multiple displays by HDMI, VGA and Display Port
- Triple Gigabit Ethernet based on 1 x Intel® I219+ 2 x Intel® I210AT
- Rich I/O includes 4 serial ports, 10 USB ports, GPIO, and audio
- Voltage, FAN speed, and Temperature hardware monitor available



Specifications

Main Information

CPU	Intel® 10th Gen. Comet Lake-S Core™ Processors (LGA1200)
Chipset	Intel® W480E Express Chipset
BIOS	AMI UEFI BIOS
Operation System	Windows® 10 IoT Enterprise LTSC 2019 64 bit
System Memory	2 x 260-pin DDR4 SO-DIMM socket, up to 64GB (ECC supported depends on CPU)
	DDR4-2933 (with Xeon® W-1290E/ Xeon® W-1270E/ Core™i9/ Core™i7 CPU)
	DDR4-2666 (with Xeon® W-1250E/ Core™i5/ Core™i3 CPU)
Storage	4 x SATA III (6.0Gb/s) Port
Graphic	Controller: Intel® UHD 610 & 630 graphics (by processor)
	Triple display supported:
	VGA port: Up to resolution 1920 x 1080 @ 60Hz
	Display port: Up to resolution 4096 x 2160 @ 60Hz
Expansion Interface	HDMI port: Up to resolution 4096 x 2160 @ 60Hz
	1 x PCIe Gen3 x16 slot
	1 x M.2 M Key 2280 (PCIe + SATA Signal)
Input/ Output	1 x M.2 E Key 2230 (PCIe + USB Signal)
	4 x Serial Port:
	- 1 x RS-232/422/485 on real panel
	- 3 x RS-232 with pin-header on board
	10 x USB Port:
	- 6 x USB3.2 Gen2 on real panel
	- 4 x USB2.0 port internal 2.0mm pin header
GPIO connector: 8-bit general purpose input/output	
Ethernet	Audio interface: connector for Mic-in, Line-in, and Line-out
	10/100/1000Mbps Ethernet port
MISC	Controller: 1 x Intel i219LM + 2 x Intel i210AT
	One front panel I/O with pin-header on board
	CPU & System FAN connector
Mechanical And Environmental	TPM2.0 on board
	Operation Temperature: 0 to 60°C
	Storage Temperature: -40 to 80°C
	Relative Humidity: 5 to 95% non-condensing
	Power Supply Voltage: +3.3V, +5V, +12V, 5VSB
Board Size: 170mm x 170mm (6.7" x 6.7")	

Ordering Guide

- GMB-IW48000 Mini-ITX Mainboard : Intel® 10th Gen. processor, W480E Chipset ,support ECC or Non-ECC DDR4 SDRAM

Option Accessory

- COM Port Cable
- SATA Cable
- USB Cable