

Technical Specification

Model No.: GS Series



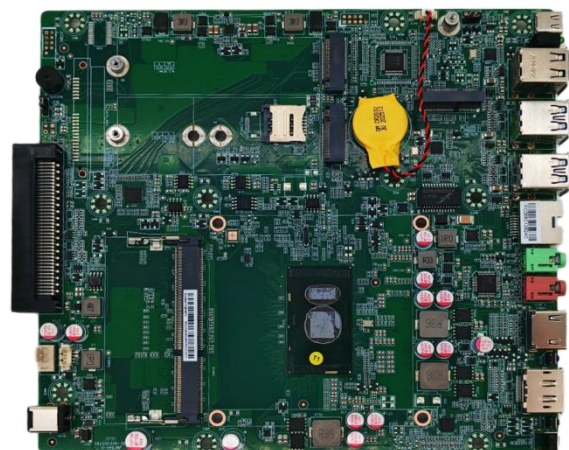
Size: 195*180*30/42mm

1. Introduction:

- GS-6th is standard pluggable OPS computing module for smart boards and commercial displays.
- It supports 6th Gen Intel Core Skylake-U series 15W system-on-chip CPUs , with on-package PCH and integrated Intel HD Graphics. It connects to displays via standard 80-pin OPS gold finger connector.
- With rich I/O ports and wireless expansion, supporting fast replacement and stable long-time operation.

2. Main Features

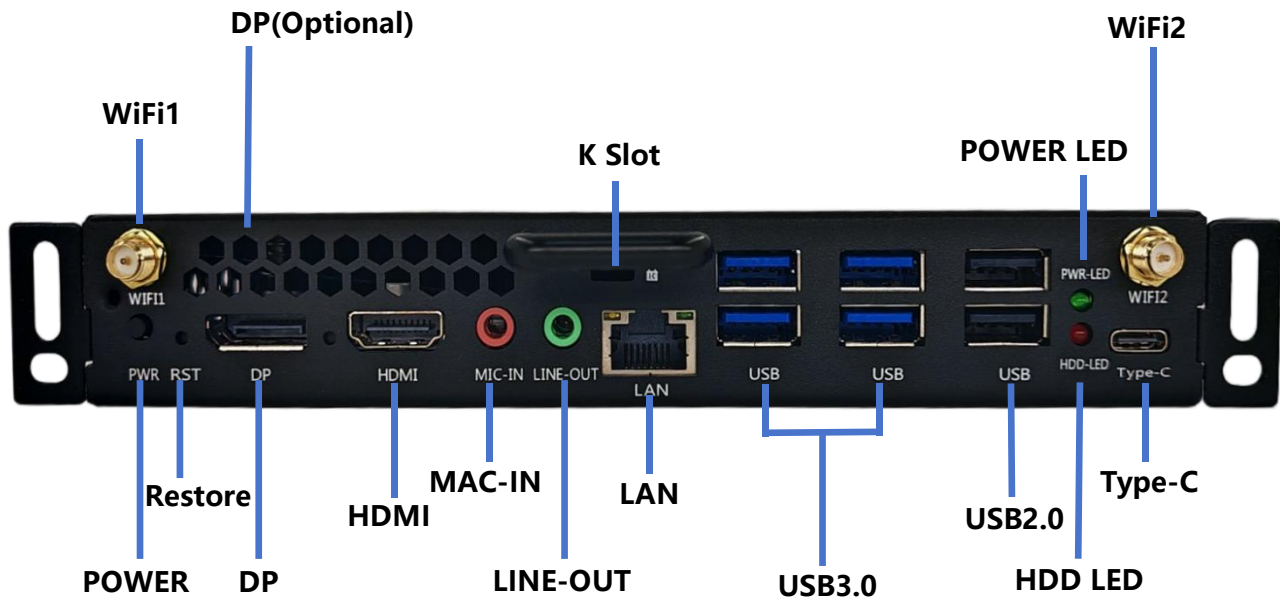
- Supports Intel® 6th Gen Core mobile CPUs;
- Intel HD / Iris Graphics, HDMI up to 4K@60Hz
- Standard 80- pin OPS gold finger, pluggable design for easy installation & maintenance
- Dual- channel SO- DIMM DDR3 1600MHz, max 16GB; dual storage: 1×Msata +1×M.2- 2280 SATA/NVMe SSD
- Full I/O: 4×USB3.0, 2×USB2.0, HDMI, VGA, DP, RTL8111H Gigabit LAN, MIC In, Line Out
- eM.2 2230 slot for 2.4G/5G WiFi5/WiFi6+BT, paired with dual- band antennas
- Power button & one- key OS recovery button; Power LED and HDD activity LED
- HDMI & USB signals available via 80Pin OPS connector; DC input:12V~19V
- Operation system: Windows7/10



3. Specifications

Model	GS Series
CPU	Intel® Core™ i5-6200U/i7-6500U
Chipset	SOC
RAM	Dual Channel DDR3 1600MHz, 2×204-Pin DDR3L SODIMM Maximum To 16GB
SSD	1×M.2 SATA 1×M.2 NVME
Graphics	Intel HD Graphics 520
USB	4×USB3.0 2×USB2.0
Type-C	1×Type-c
Audio	1×MIC In (Pink) 1×Line Out (Green)
HDMI	1×HDMI (Max. Support resolution ratio 3840x2160@30Hz)
DP	1×DP (Max. Support resolution ratio 3840x2160@60Hz)
LAN	1×RJ45 (RTL8111 h gigabit LAN)
LED Light	1xHDD LED (System running normally: red light blinking) 1xPower LED (System running normally: green light blinking)
Antenna	2×2.4G/5G Dual antenna
Power Button	1xPower button
Resetore	1xResetore
WLAN	1×M.2 2.4G/5G+BT (wifi5、wifi6Optional)
80Pin OPS Interface	1×HDMI (Max. support resolution ratio 3840x2160@60Hz) 1×USB3.0 2×USB2.0 12V~19V
Windows	Windows 7/10
Power Supply	TRNF DC IN, Input Voltage 12V~19V
Operation	Temperature: -10℃~50℃; Humidity: 10%~90%RH
Storage	Temperature: -20℃~60℃; Humidity: 0%~90%RH
Structure Dimension (L×W×T)	195mm×180mm×30mm 195mm×180mm×42mm

4. I/O Interfaces



5. Product Advantages

- Ultra-low resistance transistors for CPU power supply, stable for 24/7 continuous operation
- Optimized PCB layout & air channel, excellent heat dissipation to avoid thermal throttling
- Flexible sub-card options to satisfy various project requirements
- Supports watchdog, power-on boot, remote wake-up and hardware monitoring for centralized management
- Great compatibility with education, meeting and digital signage software

6. Disclaimer

- Due to product configuration and manufacturing process, the actual body size and weight may vary. Please refer to the real product.
- Pictures in this specification are for illustration only. The appearance, color, dimension and other details of the delivered product may differ slightly. Please refer to the real product.
- To ensure accurate descriptions, we reserve the right to revise text, images and other contents of this specification to match the actual product performance and specifications without prior notice.