

# Technical Specification

## Model No.: GP Series



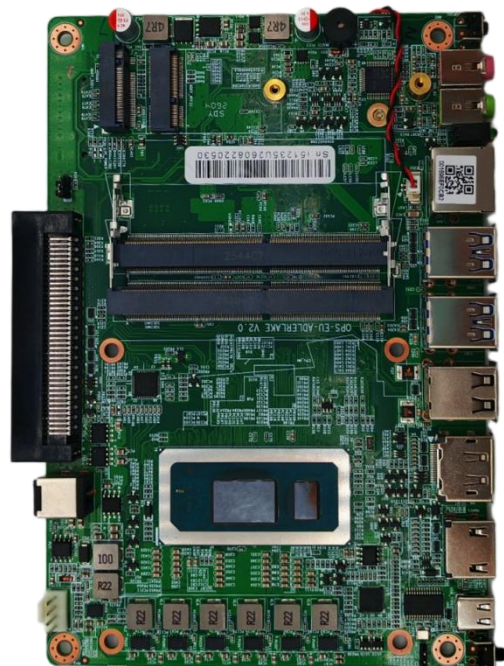
**Size: 120\*180\*30mm**

## 1. Introduction:

- It is a hot-pluggable Asia-size OPS computing module with standard 80-Pin OPS gold-finger connector.
- For interactive smart whiteboard and commercial display.
- On board 12<sup>th</sup>-Gen Alder Lake core mobile CPU
- Chipset: Intel® UHD Graphics

## 2. Main Features

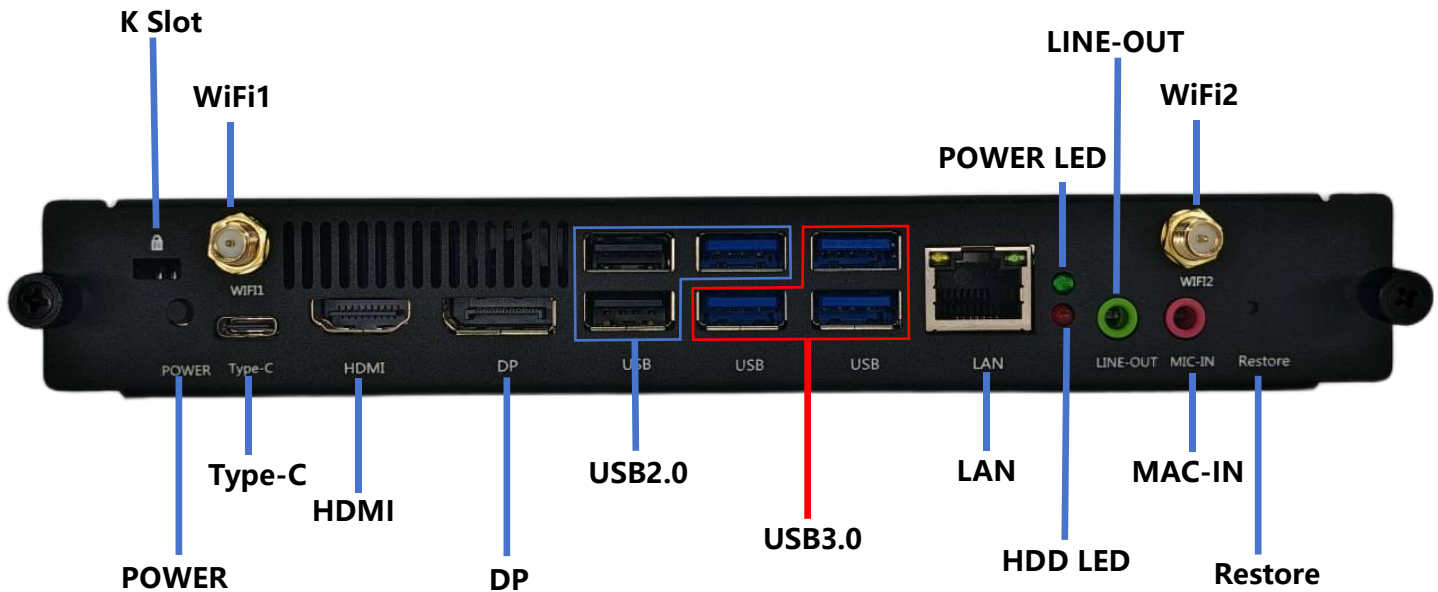
- Memory: Dual-channel DDR4 2666/3200MHz, 2× 260Pin SODIMM sockets, max 64GB.
- Storage Dual M.2-2280 slots: one for NVMe protocol, one for SATA protocol.
- USB: 3×USB3.0 + 3×USB2.0 + 1×Type-C
- Video: HDMI 4K@60Hz, DP 4K@60Hz
- LAN: RTL8111H Gigabit RJ45 port
- Antennas: 2×2.4G/5G dual-band antennas
- Wireless Expansion: M.2 2230 slot, support 2.4G/5G/6G, WiFi5 / WiFi6 + Bluetooth module optional.
- 80-Pin OPS Gold-finger Signals: HDMI 4K@60Hz, 1× USB3.0, 2×USB2.0; DC input:12-19V.



### 3. Specifications

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Model                       | GP Series                                                                                                              |
| CPU                         | Support Intel ® 12th generation core mobile CPU<br>i5-1235U/12450H/12600H, i7-12650H/12700H/1270P                      |
| Chipset                     | SOC                                                                                                                    |
| RAM                         | Dual Channel DDR4 2666/3200MHz, 2×260-Pin DDR4 SODIMM<br>Maximum To 64GB                                               |
| SSD                         | 1×M.2 2280 NVMe Protocols<br>1×M.2 2280 SATA Protocols                                                                 |
| Graphics                    | Intel® UHD Graphics                                                                                                    |
| USB                         | 3×USB3.0<br>3×USB2.0                                                                                                   |
| Audio                       | 1×MIC In (Pink)<br>1×Line Out (Green)                                                                                  |
| Type-c                      | 1×Type-c                                                                                                               |
| HDMI                        | 1×HDMI (Max. Support resolution ratio 3840×2160@60Hz)                                                                  |
| DP                          | 1×DP (Max. Support resolution ratio 3840×2160@60Hz)                                                                    |
| Lan                         | 1×RJ45 (RTL8111H Hgigabit LAN)                                                                                         |
| LED Light                   | 1xHDD LED (System running normally: red light blinking)<br>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 2230 2.4G/5G/6G+BT (Wifi5、Wifi6 optional)                                                                        |
| 80Pin OPS Interface         | 1×HDMI (Max. support resolution ratio 3840x2160@60Hz)<br>1×USB3.0<br>2×USB2.0<br>Power Supply 12V~19V                  |
| Windows                     | Windows 10/11                                                                                                          |
| 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) | 120mm×180mm×30mm                                                                                                       |

#### 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.