



Sapphire Series Panel PCs are designed to meet all the high performance requirements of the industrial world. The aesthetics follow the most modern, essential and minimalist lines, which are perfectly combined with high robustness.

The construction concept favours flush mounting. Aluminum alloy body, totally enclosed fanless design, solid structure layout, designed for various complex environments, can ensure long-term stable operation in harsh environments; Complete machine materials pay more attention to its reliability, multi environment adaptability, real-time scalability and EMC compatibility, and are widely used in high-end automation fields such as industrial control, military, communication, power and network.

## Features >>

- Industrial-grade protection, adapt to a variety of harsh environments
- Upgraded aluminum alloy integral die-casting molding, efficient heat dissipation
- Anti-vibration radiation layout structure design, internal anti-interference
- Upgrade anti-interference internal layout, ESD up to 8KV/15KV
- Structural design of anti vibration radiation layout
- Powerful and stable operating system



## Product Model >>

Product size	Reference	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Dimensions (mm)	Weight (kg)
7"	GPC-SAP-7	1024 x 600	16:9	300cd/m <sup>2</sup>	600:1	85/85/85/85 (L/R/U/D)	-	1.9
8"	GPC-SAP-8	1024 x 768	4:3	300cd/m <sup>2</sup>	600:1	85/85/85/85 (L/R/U/D)	223 x 17.7 x 42.5	1.9
10.1"	GPC-SAP-101	1280 x 800	16:10	300cd/m <sup>2</sup>	600:1	85/85/85/85 (L/R/U/D)	267.5 x 186.2 x 61	1.9
10.4"	GPC-SAP-104	1024 x 768	4:3	300cd/m <sup>2</sup>	800:1	75/75/70/75 (L/R/U/D)	265.6 x 213 x 61	2.4
11.6"	GPC-SAP-116	1920 x 1080	16:9	300cd/m <sup>2</sup>	800:1	85/85/85/85 (L/R/U/D)	312 x 200 x 59	2.2
12"	GPC-SAP-120	1024 x 768	4:3	300cd/m <sup>2</sup>	800:1	85/85/85/85 (L/R/U/D)	297.9 x 236.5 x 61	3.1
15"	GPC-SAP-150	1024 x 768	4:3	300cd/m <sup>2</sup>	700:1	80/80/70/70 (L/R/U/D)	365.5 x 289.5 x 64.5	4.3
15.6"	GPC-SAP-156	1920 x 1080	16:10	300cd/m <sup>2</sup>	800:1	85/85/85/85 (L/R/U/D)	406 x 260 x 67.5	3.7
17"	GPC-SAP-170	1280 x 1024	5:4	300cd/m <sup>2</sup>	1000:1	80/80/80/70 (L/R/U/D)	389.5 x 321.9 x 62.8	5
17.3"	GPC-SAP-173	1920 x 1080	16:9	300cd/m <sup>2</sup>	600:1	80/80/60/80 (L/R/U/D)	439.8 x 272.7 x 69.8	4.5
19"	GPC-SAP-190	1280 x 1024	5:4	300cd/m <sup>2</sup>	1000:1	75/75/70/75 (L/R/U/D)	429.3 x 354 x 63.5	6
19.1"	GPC-SAP-191	1440 x 900	16:10	300cd/m <sup>2</sup>	1000:1	85/85/80/80 (L/R/U/D)	461.5 x 309.4 x 32.5	5.4
21.5"	GPC-SAP-215	1920 x 1080	16:9	300cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)	528.2 x 319.6 x 68.3	6

## Product Installation >>



Embedded installation

Wall mounted installation

Desktop installation

Louver installation

Cantilever installation

Boom type installation

## Product Specifications >>

### Hardware Configuration

CPU	Intel® Celeron® J4125; Intel® CORE®: i3-6100U; i3-8145U; i3-10110U - i5-6200U; i5-8265U; i5-10210U - i7-6500U; i7-8565U; i7-10510U
GPU	Intel® UHD Graphics 600 (J4125); Intel HD Graphics 520 (6 <sup>th</sup> gen.); Intel UHD Graphics 620 (8 <sup>th</sup> , 10 <sup>th</sup> gen.)
RAM	4G DDR4 - Optional 8G (J4125); 4G DDR4 - Optional 8/16/32G (6 <sup>th</sup> , 8 <sup>th</sup> gen.); 8G DDR4 - Optional 16/32/64G (10 <sup>th</sup> gen.)
Storage	128G SSD (Optional 256/512G)
System	windows 7/8/10, Linux
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT4.0 Optional

### Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB

### Environmental

Working Temperature	-10 °C ~ 60 °C
Storage Temperature	-20 °C ~ 70 °C
Operating Humidity	Humidity: 95% Non-Condensing

### Other

Power Input	AC 100-240V 50/60Hz passed CCC certification and CE certification
Power Output	DC 12V / 5A
Voltage Input	DC 9 ~ 36V
Fuselage Properties	Body material: aluminum alloy. Body color: silver or black
Warranty Policy	One year free, extendable to 2 or 3 years on request
Installation Method	Embedded installation is recommended, supporting wall mounted, desktop mounted, cantilever mounted, boom mounted, etc

### I/O Interface

DC	1x screw connector jack 2.5 mm (9 ~ 36Vdc)
USB	2x USB 3.0, 2x USB 2.0
LAN	2x LAN, 10M/100M/1000M adaptive Ethernet
HDMI	1x HDMI, Support HDMI data output, maximum support 1080P
SIM	1x SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
VGA	1x VGA
AUDIO	1x Audio I/O, support audio input and output
RS232	2x RS232
Other	1x Industrial terminal, 1x Power, 1x GEN
Optional	RS485, RS422, GPIO

## Interface Distribution >>

