Sapphire Series

gptecno
Industrial Automation

Panel PC   Intermediate   Intel CORE i3–i5–i7

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 layou
- Powerful and stable operating system

intel Core i3-i5-i7	No fan cooling	High performance	IP65 waterproof	7*24H operation

ISO FC CE CCC RoHS 10

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/m²	600:1	85/85/85/85 (L/R/U/D)	-	1.9
8"	GPC-SAP-8	1024 x 768	4:3	300cd/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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/m²	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

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Product Specifications »

Hardware Configuration

CPU	Intel CORE: i3-6100U; i3-8145U; i3-10110U - i5-6200U; i5-8265U; i5-10210U - i7-6500U; i7-8565U; i7-10510U
GPU	Intel HD Graphics 520 (6th gen.); Intel UHD Graphics 620 (8th, 10th gen.)
RAM	4G DDR4 - Optional 8/16/32G (6th, 8th gen.); 8G DDR4 - Optional 16/32/64G (10th 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: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: ≥ 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
SMI	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 »