

Panel PC

Performance

Intel CORE i3-i5-i7

The Diamond Series Panel PCs are the top of G.P. Tecno's range. All the electronic and mechanical components have been conceived and designed with the utmost care, in order to achieve the highest level of performance.

The stainless steel front panel (IP66 protection) and the die-cast aluminium rear case - designed for optimal dissipation - give the Diamond Series Panel PCs a very high constructive robustness, without penalising the aesthetics, which follows the most modern, essential and minimalist lines. High precision aluminum alloy architecture, fully enclosed design, fanless CPUs, high configuration motherboard, and high-speed storage solution. Support embedded, desktop, wall mounted and other diversified installation methods to meet the application needs of different devices in different environments.

Features >>

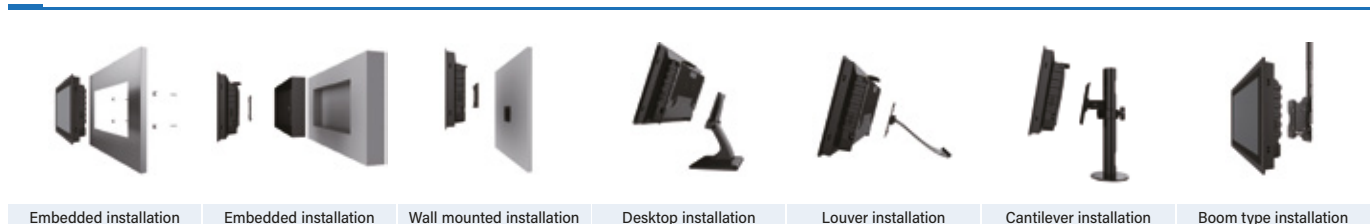
- Ultra Slim front bezel
- High precision die-casting aluminum molding, dustproof and waterproof.
- Self developed fanless industrial motherboard, with a variety of options.
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- Equipped with dual networks, supporting 9-36V wide voltage power supply;
- Rich interfaces.



Product Model >>

Product size	Reference	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Dimensions (mm)	Weight (kg)
7"	GPC-DIA-7	1024*600	16:9	500cd/m ²	800:1	75/75/70/75 (L/R/U/D)	220 x 152 x 52	4.0
8.4"	GPC-DIA-84	800*600	4:3	450cd/m ²	600:1	80/80/80/60 (L/R/U/D)	235 x 185 x 55	4.0
10.1"	GPC-DIA-101	1280*800	16:10	400cd/m ²	900:1	85/85/85/85 (L/R/U/D)	275 x 194 x 60	4.0
12"	GPC-DIA-120	800*600	4:3	400cd/m ²	800:1	80/80/65/75 (L/R/U/D)	304 x 243 x 62	5.0
12.1"	GPC-DIA-121	1280*800	16:10	450cd/m ²	700:1	80/80/80/60 (L/R/U/D)	314 x 216 x 62	5.0
13.3"	GPC-DIA-133	1920*1080	16:9	400cd/m ²	900:1	85/85/85/85 (L/R/U/D)	344.50 x 216 x 62	5.0
15"	GPC-DIA-150	1024*768	4:3	350cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	361 x 285 x 62	7.0
15.6"	GPC-DIA-156	1920*1080	16:9	600cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	400 x 250 x 62	7.0
17"	GPC-DIA-170	1280*1024	5:4	400cd/m ²	1000:1	80/80/80/70 (L/R/U/D)	395 x 327 x 62	8.0
17.3"	GPC-DIA-173	1920*1080	16:9	400cd/m ²	600:1	80/80/60/80 (L/R/U/D)	441 x 274 x 62	8.0
19"	GPC-DIA-190	1280*1024	5:4	450cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	438 x 362 x 62	8.0
21.5"	GPC-DIA-215	1920*1080	16:9	400cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	538 x 330 x 60	12.0
23.8"	GPC-DIA-238	1920*1080	16:9	350cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	585 x 354.5 x 65	18.0

Product Installation >>



Product Specifications >>

Hardware Configuration

CPU	Intel Celeron J1900	Intel Core i3-8145U	Intel Core i5-8265U	Intel Core i7-8565U
CPU frequency	2.0GHz	2.1GHz	1.6GHz	1.8GHz
Integrated graphics	Intel HD	Intel HD Graphics 620	Intel HD Graphics 620	Intel Ultra HD Graphics 620
RAM	DDR4L 2400MHz 4-8GB	DDR4L 2400MHz 4-64GB	DDR4L 2400MHz 4-64GB	DDR4L 2400MHz 4-64GB
Storage	1 x mSATA 64GB SSD / (128GB / 256GB / 512GB SSD) optional			
System	Windows 10/11; Linux			
WIFI	2.4GHz / 5GHz dual bands			
Bluetooth	BT4.2			

Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: \geq 90% Response time: <5ms
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: \geq 90% Response time: <5ms

Environmental

Working Temperature	-20 °C ~ 70 °C
Storage Temperature	-30 °C ~ 80 °C
Operating Humidity	5% ~ 95% @40°C, non-condensing

Other

Power Input	AC 100-240V 50/60Hz, 1.5A
Voltage Input	DC IN 9V ~ 36V (7"-8.4" DC IN 12V ~ 24V)
Static Power	\leq 35W
Fuselage Properties	Body material: High-strength Al-alloy. Body color: grey
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 power switch
USB	3x USB 3.0, 1x USB 2.0
LAN	2x LAN 10M/100M/1000M adaptive Ethernet - (7"-8.4" 1x LAN)
HDMI	1x HDMI
AUDIO	1x Audio I/O, support audio input and output
RS232	2x RS232/422/485

Interface Distribution >>



Only the 15 inch interface is displayed. Please contact G.P. Tecno for details.
* All specifications and photos are subject to change without notice.