



The Diamond Series Panel PCs are the top 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 1000:1         | 89/89/89/89 (L/R/U/D) | 585 x 354.5 x 65  | 18.0        |

## Product Installation >>



Embedded installation    Embedded installation    Wall mounted installation    Desktop installation    Louver installation    Cantilever installation    Boom type 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<br>Light transmittance: $\geq 90\%$<br>Response time: <5ms |
| Resistive Touch  | Touch screen type: single point resistive touch screen<br>Light transmittance: $\geq 90\%$<br>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 us for details.  
\* All specifications and photos are subject to change without notice.