

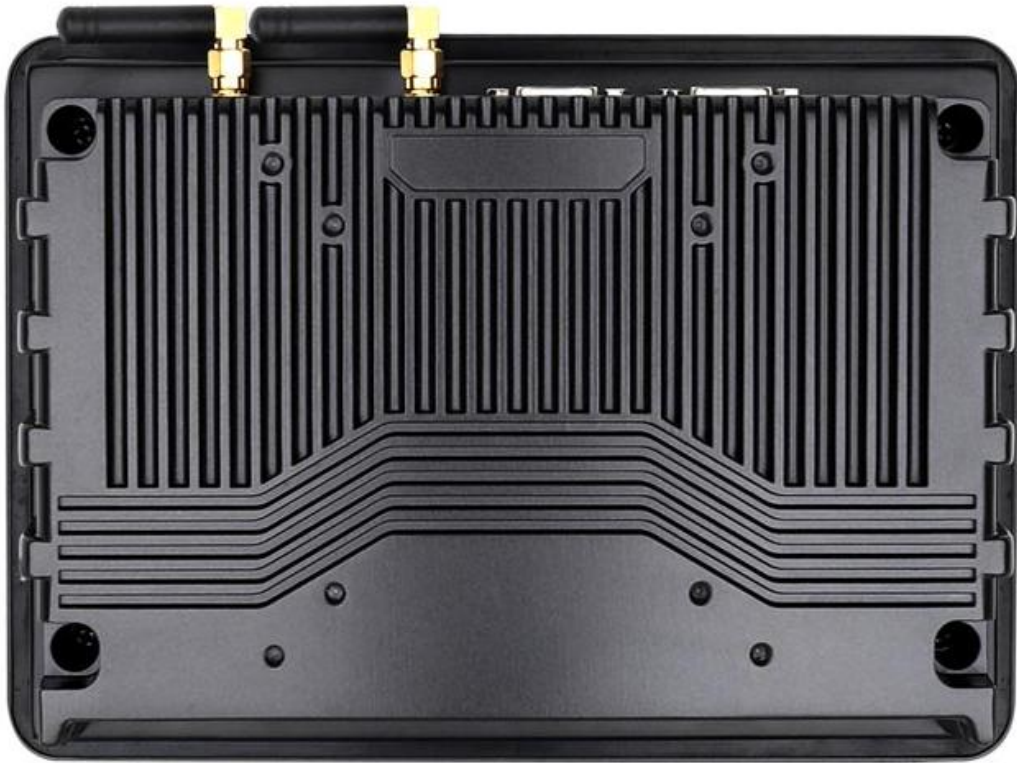
## **Small Size 7 inch 8 inch Industrial Flat Touch Panel PC**

### **Windows System**

**Size: 7" ~ 8"**

Small size industrial panel PC 7-inch and 8-inch panel PCs are built with very reliable rugged components, thus offer 24/7 long time operation in harsh environments.





## Small Size Industrial Panel PC

**Model: SD070-W-QD (7")**

**Model: SD080-W-QD (8")**

SD-OMEGA designed and launched a series of new products including the small size industrial panel PCs, the 7" and 8" panel PCs are engineered with LCD screens with a native resolution of 1024x600 (7") and 1024\*768 (8"), and both incorporates the latest long span-life LED backlight technology to support 7\*24 hours long time running. And both support resistive and capacitive touch screen technology.

### Product Features

- 7" and 8" LCD screen panel option.
- 7-inch: 1024x600 native resolution, 16x9 Aspect Ratio
- 8-inch: 1024x768 native resolution, 4x3 Aspect Ratio
- Multi-point capacitive and 4/5-wiring resistive touchscreen support.
- Supports wide voltage input: 12V DC ~ 24V DC / 9V DC ~ 36V DC.
- VESA 75/100mm mounting holes.
- RoHS, FCC, CE Certification.
- 3-year warranty (36 months).





### **Surface IP65-rating Dustproof and Waterproof**

The small size industrial panel PCs with front panel IP65 are popular, especially when applied to embedded installation, such as industrial cabinets, or equipment. Meet the industrial field protection level.



### **Powerful & Low Consumption Industrial Motherboard**

These two small panel PCs adopt industrial-grade motherboards to meet the changeable and high-complexity industrial environments.

- Equipped with an Intel Celeron J1900 CPU onboard, a quad-core processor, 64Bits, 2.0GHz main frequency.
- 2G RAM, 32G SSD (upgradable).
- Default with Windows 7 system.



### **Fanless Heat-dissipation Design & Aluminum Alloy Casing**

This series of small LCD panel PCs are engineered with ruggedized and robust Aluminum alloy casing, plus fanless design, offering excellent heat-dissipation performance even under 24/7 long-time operation in extreme environments.



### **Multi-Point Capacitive and Single-Point Resistive Touch Screens Support**

- Small size industrial Panel PCs with multi-point capacitive touch screens are usually used in Point-of-Sale, vehicle-mounted, and portable devices to offer a high-sensitive, fast response interactive operation experience.

- Industrial panel PCs with single-point resistive touch screens are widely used in extreme environments due to their high accuracy, excellent waterproof and dustproof effect, and they can be touched with any object.





### Multi-Sceneries Applications Capability

In addition to the well-known handheld rugged tablet PCs, some small size industrial panel PCs like SD-OMEGA 7" and 8" industrial panel PC with 8mm front bezel are widely used in a variety of applications, such as Laboratory equipment, testing equipment, portable equipment. They're suitable for the embedded mount, desktop mount, wall-hanging, etc.

|                        |                  |  |
|------------------------|------------------|--|
| Screen parameters      | Screen size      | 7 inch / 1024*600 / 16:9   |
|                        |                  | 8 inch / 1024*768 / 4:3  |
| Motherboard parameters | CPU              | Intel Celeron J1900 2GHz quad-core                                   |
|                        | Hard Disk        | 32G SSD (64/128/256G SSD optional)                                   |
|                        | Memory           | 2G DDR3L (supports 4/8/16G optional)                                 |
|                        | Audio            | Integrated Audio Chip  |
|                        | Network          | Integrated Gigabit LAN   |
|                        | Wireless network | built-in wifi antenna, support wireless connection                   |
|                        | Graphics Cards   | Integrated Graphics  |
|                        | System           | Pre-installed with Windows7, support Win8/Win10                      |
|                        | Speakers         | Available  |
| Interface parameters   | USB interface    | USB2.0*2, USB3.0*2   |
|                        | Serial Interface | COM*1, LAN*1, HD/SIM*1, Audio I/O*1, Grounding*1, Power On/Off*1     |
|                        | WIFI connector   | WIFI antenna*2   |
|                        | Power Interface  | DC 12V*1   |
|                        | Extended display | VGA*1, support for synchronous dual display and differential display |

|                    |                          |   |
|--------------------|--------------------------|---|
|                    | Network interface        | RJ-45*1   |
|                    | Audio Interface          | Audio I/O*1   |
|                    | Support extensions       | Multiple industries interface support customization   |
| Display parameters | Color                    | 16.7M   |
|                    | Point distance           | 0.264mm   |
|                    | Screen Panel             | Industrial control panel  |
|                    | Contrast                 | 7" with 500:1 / 8" with 800:1   |
|                    | Display brightness       | 300cd/m2 (high brightness customizable)   |
|                    | View angle               | (H160 (V) 160, customizable wide viewing angle 178°   |
|                    | Backlight type           | LED-backlit screen Lifetime ≥ 50000h  |
|                    | Gray-scale response time | 5ms   |
|                    | Touch Optional           | Resistive/Capacitive/Mouse Control  |
|                    | Installation method      | Embedded, desktop, wall-mounted, VESA   |
| Other parameters   | Power                    | 12V-5A Professional External Power Adapter  |
|                    | Power consumption        | ≤60W  |
|                    | Working temperature      | -10°C~60°C  |
|                    | Storage temperature      | -20°C~60°C  |
|                    | Relative humidity        | 0%-65% (without condensation)   |
|                    | Material                 | Full body made of aluminum alloy material   |
|                    | Color                    | Silver / Black  |
|                    | Warranty Policy          | Three-year warranty in all, one year for free   |
|                    | Degree of protection     | Front panel IP65 dustproof and waterproof   |
|                    | Packing list             | Industrial Tablet PC / Mounting Accessories / Power Cord / Power Adapter / Driver CD / Manual / Warranty Card |