

**HMI Fanless Industrial Touchscreen All In One Panel PC 10.1 inch  
Size: 10.1"**





## **10.1" Fanless Industrial Touch Screen All In One HMI Panel PC**

### **Model: SD101-W2**

SD-OMEGA industrial multi-touch all-in-one panel PCs are produced with durable and reliable industrial-grade quality. Supports Windows 7/10/11, and Ubuntu, Centos (7.4/7.8) / Redhat7.4 / Debian7.0. supporting multi-language menu. Offering OEM/ODM customization service for global customers even for one unit. We have offered a number of one-stop solutions for customers from domestically and abroad in the industry of IoT, automation, intelligent terminal devices, etc.

### **SD-OMEGA Industrial All-in-One PC Features**

- Standardized interfaces for hardware & software, support multi-interface customization.
- Expandable HMI solutions with multiple configurations for the access control system, such as face recognition, identity authentication, etc.

- The front frame is made of aluminum alloy with arc chamfer, general design, suitable for desktop, wall-mounted, embedded, and other installation methods (VESA, panel mount).
- Waterproof edge design to effectively prevent water and dust infiltration, and good shock and vibration relief effect, which improves the product practicability and makes it more consistent with the cabinet.
- Adopt the industrial-grade components, quad-core, and four-thread, excellent performance in lightning protection, anti-static, and anti-surge.
- PCB in the self-developed industrial mainboard uses environment-friendly materials to prevent fire, explosion, and dampness. Prolong the industrial panel PC's span life.
- The mainboard adopts an anti-interference electronic components design, and the anti-interference of the industrial tablet PC reaches the EMI/EMC standard.
- The power supply circuit on the mainboard adopts an imported TI power management chip design, the power input voltage reaches 9-28 V, which meets various voltage requirements of industrial specifications.

## PRODUCT PARAMETERS:

<b>Screen Parameters</b>	Screen size	10.1 inch
	Model	SD101-W2
	Resolution	1280*800
	Proportion	16:10 widescreen
<b>Motherboard Parameters</b>	CPU	Intel Celeron J1900, Quad-Core 2.0GHz (J4125, J6412, Quad-Core for optional)
	Hard Disk	64GB SSD (128/256/512GB for optional)
	Memory	4GB DDR3 1333/1600M (8/16GB for optional)
	Audio	Integrated Audio Chip
	Network	Integrated Gigabit LAN
	Wireless network	Built-in wifi antenna supports wireless connection
	Graphics Cards	Integrated Graphics
	System	Windows 7 (Win 10 / Win 11 / Ubuntu / CentOS / Redhat 7.4 / Debian 7.0 options)
	Speakers	Available

<b>Interface Parameters</b>	USB interface	7"-10.4": USB2.0*2, Other sizes: USB2.0*3+USB3.0*1
	Serial Interface	7"-10.4": COM*1; Default with RS232, RS422/RS485 for optional
	WIFI connector	WIFI antenna*1
	Power Interface	DC 12V*1
	High-definition interface	HDMI*1
	Extended display	VGA*1, support for synchronous dual display and differential display
	Network interface	RJ-45*1
	Audio Interface	Audio I/O
	Support extensions	Multiple industries interface support customization
<b>Display Parameters</b>	Color	16.7M
	Point distance	0.264mm
	Screen Panel	Industrial control panel
	Contrast	800:1
	Display brightness	300cd/m2 (high brightness above 400cd/m2 customizable)
	View angle	(H) 160° (V) 160°, wide viewing angle 178° customizable
	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 75/100, panel mount, open frame.
<b>Other Parameters</b>	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 (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