



### Industrial Fanless 12.1" Multitouch Panel PC with Elkhart Lake J6412 Platform

This 12.1" Panel PC with onboard Intel® Celeron J6412 quad core CPU has an aluminum alloy structure, making it light, firm and stable and allows for better heat dissipation than other Panel PCs on the market. The industrial grade true-flat 5-wire resistive touchscreen, 450nits and front panel IP66 support, paired with dual GbE, wide voltage DC-In and remote ON-OFF makes this a perfect fit for Industrial applications like Automation and Machining.

## SPECIFICATIONS

<b>CPU</b>	Intel® Celeron J6412
<b>Memory Type</b>	DDR4 2133/2400/3200Mhz
<b>Memory Slots</b>	1
<b>Maximum Memory Supported</b>	32GB
<b>Integrated Graphics</b>	Intel® Gen10 UHD Graphics
<b>Watchdog Timer</b>	Programmable 255 levels timer interval, from 1~255 sec/min
<b>Serial ATA (SATA)</b>	1 x SATA III
<b>Video</b>	1 x HDMI (up to 4096×2160@60hz)
<b>LAN Ports</b>	2 x Intel® L226V GbE (10/100/1000 Mbps)
<b>Audio</b>	2 x 1.5W speakers (optional) Realtek® ALC888S HD Audio codec 4Ω3W speakerx2
<b>Extended Interface</b>	1 x Mini-PCIe slot (PCIe/ USB2.0 signal supported), 1 x M.2 2230 slot (PCIe/ USB2.0 signal supported), 1 x M.2 2242 slot (SATA signal supported), 1 x SIM socket for 3G/4G
<b>External I/O</b>	1 x Mini PCIe slot w/ 1 x SIM card slot, 1 x RS232/RS422/RS485(COM1), 1 x RS232(default)/RS485(Jumper), 2 x USB2.0, 2 x USB3.1, 2 x RJ45, 1 x HDMI, 1 x Remote ON-OFF

<b>Internal I/O</b>	1 x 8bit GPIO 3.3V(jumper)/5V(default) power, 2 x RS232, 2 x USB2.0 (For Touch), 1 x SATA3.0/Power 5V for HDD
<b>Display</b>	12.1" TFT LCD Panel
<b>Resolution</b>	1024×768, 4:3 aspect ratio
<b>Luminance</b>	450 cd/m <sup>2</sup>
<b>Touch</b>	Industrial-grade true-flat 5-wire resistive touchscreen
<b>Contrast Ratio</b>	700
<b>Viewing Angle (U/D/R/L)</b>	80°/80°/80°/80°
<b>Backlight Lifetime</b>	50,000 hours
<b>Mounting</b>	Panel Mount, Wall and VESA-mount (75 x 75mm)
<b>Chassis</b>	Aluminum for front Panel and heat-sink, SECC for Rear Cover
<b>Cutout</b>	299 x 233.6mm
<b>Ingress Protection</b>	Front Panel IP66
<b>Weight</b>	2.9 kg
<b>Dimensions</b>	307 x 241.6 x 60mm
<b>Operating Temperature</b>	-10 ~ 60 °C
<b>Storage Temperature</b>	-40°C ~ 70°C
<b>Relative Humidity</b>	5 ~ 95% (non-condensing)
<b>Random Vibration</b>	5~500Hz, 1Grms (HDD) operation, 5~500Hz, 2Grms (SSD) operation
<b>Sine Vibration</b>	5~500Hz, 2G Non-operation
<b>Shock</b>	10g 11ms operation, 30g 11ms Non-operation
<b>Power</b>	DC 12~36V via 1 x Power Connector (2P Phoenix)

**Certification**

CCC/CE/FCC

**Global P/N / SKU**

2907842

**Ordering Options**

2907842 - 12.1" Panel PC Barebone AC/DC Adapter is optional with a choice of US or EU Plug