



# SP-211C-1J64

Industrial Fanless 21.5" Panel PC, w/ Intel® Elkhart Lake Celeron J6412 Processor



## Features

- Intel® Celeron® J6412 CPU Elkhart Lake(2.0 GHz/2.6GHz)
- 21.5 inches highlight LED panel, front panel support IP66
- Industrial-grade 10 points project capacitive touch screen
- Support Mini-PCIe/M.2 extension for multiple modules
- Support dual GbE LAN
- Support remote ON-OFF
- Grounding protection for product shell
- Support 1 x 2.5 inch HDD/SSD expansion
- Support standard VESA and panel mount



HDMI



Over-voltage Protection



USB 3.1



-10~50°C



Wide Voltage Range



Reserved Power Protection

## System

|                |   |
|----------------|---|
| CPU            | Intel® Celeron® J6412 CPU Elkhart Lake (2.0 GHz/2.6GHz)                                     |
| Memory         | 1 x DDR4 2133/2400/3200hz SO-DIMM slot, up to 32GB<br>4GB DDR4 SO-DIMM pre-installed*(CTOS) |
| Graphics       | Intel® UHD Graphics for 10 <sup>th</sup> Gen Intel® Processors                              |
| LAN chipset    | 2 x Intel® I226-V 2.5GbE controllers  |
| Watchdog Timer | Programmable 255 levels timer interval, from 1~255 sec/min                                  |

## Storage

|        |   |
|--------|---|
| Device | 1 x M.2 2242 SSD slot<br>128GB M.2 SSD pre-installed*(CTOS) |
|--------|---|

## Audio

|         |  |
|---------|--|
| Type    | 1 x Audio(Line-out&Mic-in 2 in 1)<br>Realtek® ALC888S HD Audio codec |
| Speaker | 2 x 4Ω3W speaker   |

## LCD Display

|                    |                          |
|--------------------|--------------------------|
| Size/Type          | 21.5" TFT LCD Panel      |
| Max. Resolution    | 1920 x 1080              |
| Ratio              | 16:9                     |
| Luminance          | 250 cd/m <sup>2</sup>    |
| Contrast Ratio     | 1000:1                   |
| Backlight          | LED Backlight            |
| Backlight Lifetime | 30000 Hrs                |
| Touch Screen       | P-cap Multi-Touch        |
| Touch              | 35,000,000 times         |
| View Angle         | CR > 10, 89° (H)/89° (V) |

## Power System

|             |   |
|-------------|---|
| Power Input | DC 12~36V<br>1 x Power Connector (2P Phoenix) |
|-------------|---|

## OS

|                   |  |
|-------------------|--|
| Windows 10, Linux |  |
|-------------------|--|

## Qualification

|               |         |
|---------------|---------|
| Certification | CE, FCC |
|---------------|---------|

## External I/O

|               |   |
|---------------|---|
| Serial Ports  | 1 x RS232/RS422/RS485-COM1<br>1 x RS232(default)/RS485(Jumper)-COM2<br>1 x RS232-COM3 |
| USB Ports     | 2 x USB2.0, 2 x USB3.1  |
| LAN           | 2 x RJ45  |
| Video Ports   | 1 x HDMI (up to 4096x2160@60hz)   |
| Remote On-Off | 1 x Remote ON-OFF   |

## Internal I/O

|           |   |
|-----------|---|
| Expansion | 1 x Mini-PCIe slot (PCIe/ USB2.0 signal supported)<br>1 x M.2 2230 slot (PCIe/ USB2.0 signal supported)<br>1 x M.2 2242 slot(SATA signal supported)<br>1 x SIM socket for 3G/4G<br>1 x 8bit GPIO 3.3V(jumper)/5V(default) power<br>1 x RS232-COM4<br>2 x RS232(RX/TX)-COM5/6<br>2 x USB2.0--For Touch<br>1 x SATA3.0/Power 5V for HDD |
|-----------|---|

## Mechanical

|                       |   |
|-----------------------|---|
| Mounting Type         | Panel Mount, Wall and VESA-mount (75 x 75mm)                |
| Chassis               | Aluminum for front Panel and heat-sink, SECC for Rear Cover |
| Dimension (W x H x D) | 528.2 X 321.9 X 66mm  |
| Cut out               | 520.2 x 313.9mm   |
| Weight (Net)          | 6.9kg   |
| Ingress Protection    | Front panel IP66  |

## Environmental

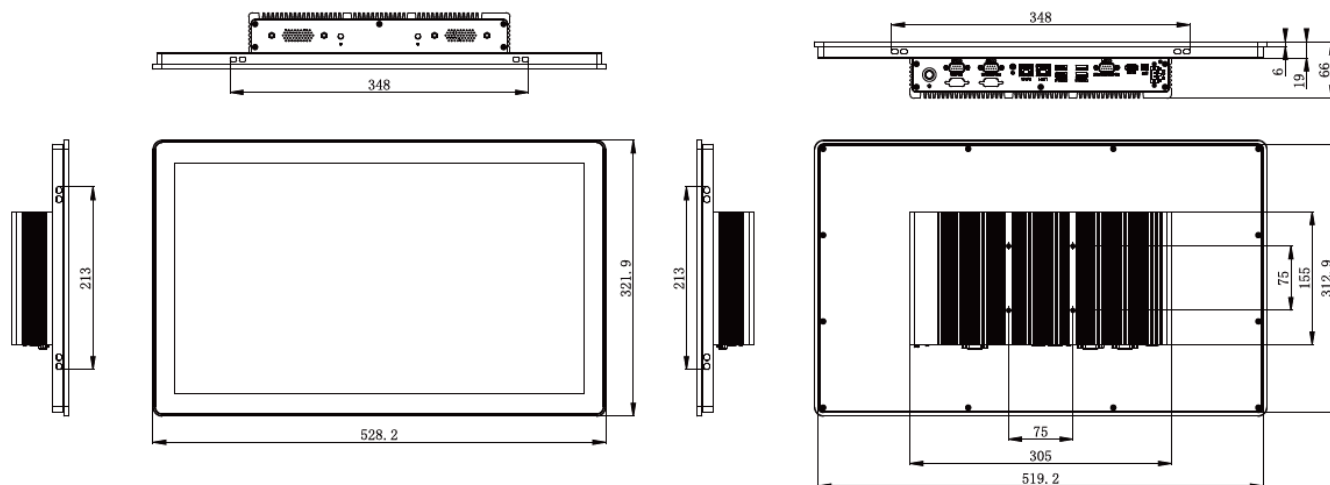
|                    |  |
|--------------------|--|
| Operating Temp.    | -10 ~ 50°C                                 |
| Storage Temp.      | -40 ~ 70°C                                 |
| Operating Humidity | 5 ~ 95% (non-condensing)                   |
| Random Vibration   | 5~500Hz, 2Grms operation                   |
| Sine Vibration     | 5~500Hz, 2G Non-operation                  |
| Shock              | 10g 11ms operation, 30g 11ms Non-operation |

\*CTOS means Configure-to-Order Service.


All specifications are subject to change without notice.

# SP-211C-1J64

## Dimensions



## Ordering Information

|                      |   |   |
|----------------------|---|---|
| SP-211C-1J64-R4S128  | 21.5"(16:9) Panel PC with 4GB RAM & 128GB SSD, Intel Celeron Elkhart Lake J6412, P-touch, HDMI*1, USB*4, LAN*2, COM*3, DC12-36V power input |  |
| SP-211C-1J64         | 21.5"(16:9) Panel PC, Intel Celeron Elkhart Lake J6412, P-touch, HDMI*1, USB*4, LAN*2, COM*3, DC12-36V power input                          |   |
| PAC-60W-FSP-SPA R1.0 | AC/DC ADAPTER KIT (W/UKCA), 12V,60W,2 WIRE w/ USA POWER CORD  |   |