

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 LCD panel with LED backlight, front panel support IP66
- Industrial-grade 10 points project capacitive touch screen
- Support Mini-PCIe/M.2 extension for multiple modules
- Support dual 2.5GbE 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



Reversed
Power Insertion
Protection

System

CPU	Intel® Celeron® J6412 CPU Elkhart Lake (2.0 GHz/2.6GHz)
Memory	1 x DDR4 SO-DIMM slot 3200MHz up to 32GB 8GB DDR4 SO-DIMM pre-installed*(CTOS)
Graphics	Intel® UHD Graphics for 10 th 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 M key 2242 slot (SATA signal) 128GB M.2 SSD pre-installed*(CTOS)
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Audio

Type	1 x Audio(Line-out&Mic-in 2 in 1) 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 ²
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; θx 178°(H)/ θy 178°(V)

Power System

Power Input	DC 12~36V 1 x 2-pin phoenix connector
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OS

Windows 10/11, Ubuntu 22.04

Qualification

Certification	CE, FCC
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External I/O

Serial Ports	1 x RS232/RS422/RS485-COM1 1 x RS232(default)/RS485(Jumper)-COM2 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 Full-size MiniPCIe slot (PCIe/USB2.0/mSATA signal) 1 x M.2 E Key 2230 slot (PCIe x1/USB2.0 signal) 1 x M.2 M Key 2242 slot (SATA signal) 1 x SATA3.0/Power 5V for 2.5" drive bay 1 x RS232-COM4 via optional cable 1 x RS232 (RX/TX)-COM5/6 via optional cable 1 x 8bit programmable GPIO pin header (3.3V (default) 5V jumper voltage adjustable) via optional cable 1 x Nano SIM socket for 3G/4G
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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	528.2 X 321.9 X 66mm
Cut out	520.2 x 313.9mm
Weight (Net)	6.9kg
Ingress Protection	Front panel IP66

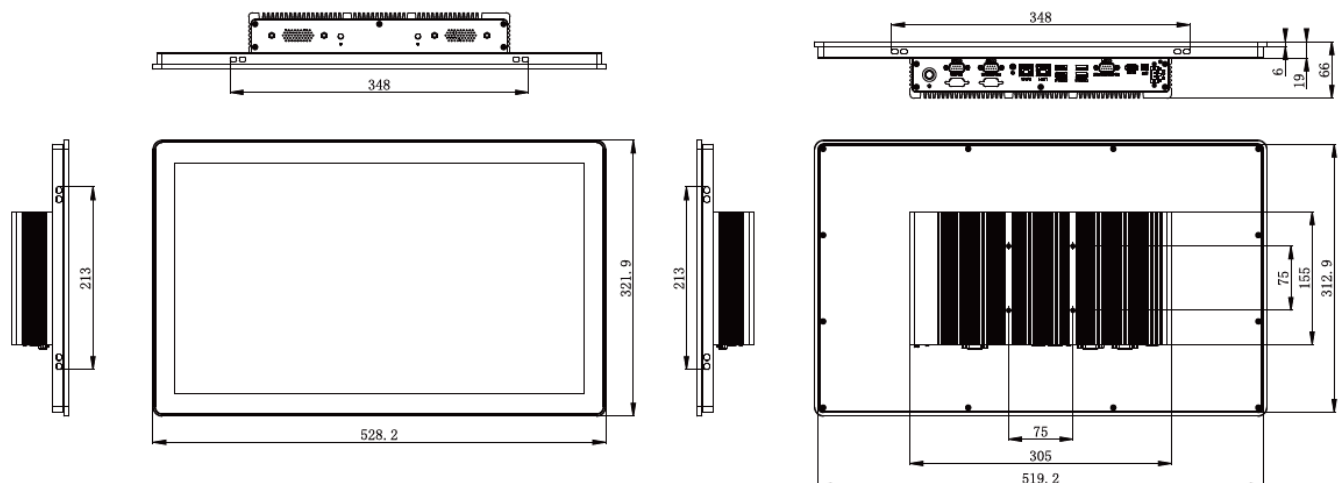
Environmental

Operating Temp.	-10 ~ 50°C, ambient w/ air flow (WT RAM & SSD)
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.

SP-211C-1J64

Dimensions



Unit: mm

Ordering Information

SP-211C-1J64	Barebone 21.5"(16:9) Panel PC with Intel Celeron Elkhart Lake J6412, P-touch, HDMI*1, USB*4, LAN*2, COM*3, DC12-26V power input
SP-211C-1J64-R8S128	21.5"(16:9) Panel PC with 8GB RAM & 128GB SSD, Intel Celeron Elkhart Lake J6412, P-touch, HDMI*1, USB*4, LAN*2, COM*3, DC12-26V power input
PAC-60W-FSP-SPA-US R1.0	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ US POWER CORD
PAC-60W-FSP-SPA-EU R1.0	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ EU POWER CORD
PAC-60W-FSP-SPA-UK R1.0	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ UK POWER CORD
PAC-60W-FSP-SPA-IN R1.0	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ IN POWER CORD
PAC-60W-FSP-SPA-JP R1.0	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ JP POWER CORD

