## IPC-SP2U830

Fanless Embedded PC Inte<sup>®</sup> Celeron<sup>®</sup>/ Atom<sup>®</sup> SoC Processor



## **Features**



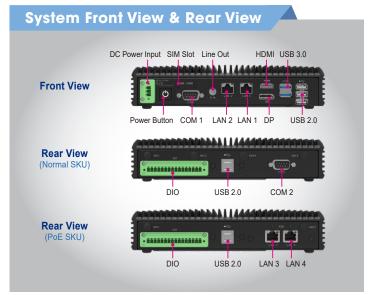


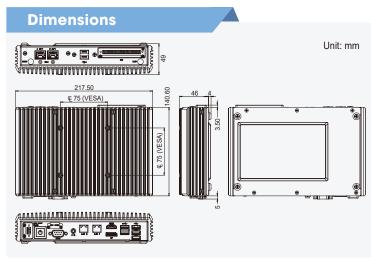


- Optional support for low temperature environments
- Powered by high performance SoC processors
- Storage support both 2.5" & M.2 type
- 4K resolution DP & HDMI support
- Digital I/O 8 in / 8 out support (option)
- DC power in support 12V / 24V

## **Specifications**

System	
CPU Support	Intel® Celeron® J6412: 10w, 4C, 2.0GHz
	Intel® Atom® x6212RE: 6w, 2C, 1.2GHz
	Intel® Atom® x6425RE: 12w, 4C, 1.9GHz
Memory Support	1 x SO-DIMM socket, supporting 3200MHz DDR4 memory up to
	32GB (non-ECC)
API/SW/FW	Watchdog / HW monitor
Storage Support	1 x 2.5" 7mm SATAIII HDD or SSD drive space
	1 x NVMe PCle x2 (support 2280 size only)
Power Input	DC In 12V and 24V
Power Adapter	60W adapter w/ lockable 3 pin terminal block
Operating System	Windows 10 64bit / Ubuntu 20.04 / Windows 11
Expansion Slots	1 x full-sized mPCle slot (with PCle and USB signal)
	1 x M.2 slot E-Key for wireless module
System Weight	2 kg
Dimensions (W x H x D)	217.5 x 140.6 x 50 mm (with rubber foot)
Certifications	FCC / CE
I/O Ports (Front side)	
USB	2 x USB 3.0
	3 x USB 2.0
Display	1 x DP, up to 4096 x 2304 @60Hz
	1 x HDMI, up to 4096 x 2160 @60Hz
LAN	2 x 2.5GbE LAN, supports Wake-On-LAN & PXE
Audio	1 x Line Out
Serial Port	COM 1: RS232/422/485m support 5V/12V selectable by jumper
SIM	1 x Micro-SIM slot
Power On/Off	1 x Power Button with Power LED
Power Input	3 pin DC In terminal block (lockable)
I/O Ports (Rear side)	o pin Bo in tominal block (lockable)
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PoE	2 x PoE LAN port, each 30W (PoE SKU only)
Serial Port	COM 2: RS232/422/485m support 5V/12V selectable by jumper
	(Normal SKU only)
USB	2 x USB 2.0
DIO	8in / 8out
Antenna Hole	Normal SKU: 4 x Antenna holes for reservation
	PoE SKU: 2 x Antenna holes for reservation
Environment	
	SSD: -40°C~60°C (-40°F~140°F) for Atom SKU
Operating Temp.	HDD: -40°C~40°C (-40°F~104°F) for Atom SKU
(Ambient with airflow)	SSD: 0°C~50°C (32°F~122°F) for other SKUs
	HDD: 0°C~40°C (32°F~104°F) for other SKUs
Storage Temp.	-40°C~85°C (-40°F~185°F)
Humidity	20%~90%





<sup>\*</sup> All information contained in this document is subject to change without prior notice. Please log on www.antcomputer.com to acquire latest information. For detail mechanics drawing, please contact our sales.