

SZ211 Compact Fanless IPC

Features

- Intel® Celeron-J6412/ Celeron-N6210/ X6425E
- Dual channel DDR4-3200 up to 32GB
- 2 independent display via DP and HDMI
- 3 LAN (2 x Intel i210-AT, 1 x Intel i226-V)
- 1 RS-232/422/485, 1 RS-232, 2 RS-232/485
- 2 USB 3.0, 2 USB 2.0
- Support 4G or 5G, Wi-Fi expansion
- DC 9-36V, UPS module is optional
- 172 x 125 x 62.5mm (L x W x H)
- Wall-mounting / Back-mounting / Din Rail installation
- CE/FCC Class B, ESD 8KV/15KV
- Windows 10/11, centos 8, ubuntu 20.04/22.04



CPU List

	Intel Atom Elkhart Lake		
CPU	Celeron-J6412	Celeron-N6210	X6425E
Frequency	2.00 GHz	1.20 GHz	2.00 GHz
Up to	2.60 GHz	2.60 GHz	3.00 GHz
Cores	4	2	4
Threads	4	2	4
TDP	10W	6.5W	12W
Cache	1.5MB	1.5 MB	1.5 MB

Specifications

Item	Sub-Items	SZ211 Series
Processor System	CPU	Intel® Celeron-J6412/Celeron-N6210/X6425E
	Chipset	Intel® SoC integrated
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Dual Channel DDR4 3200MT/s SO-DIMM
	Capacity	Max. 32GB
Graphics	Controller	Intel Gen11 Graphics Engines (SoC integrated)
	Graphic Features	DX12, OGL4.5, 0CL1.2, Vulkan 1.1, MPEG2, H.264, JPEG/MJPEG H.265(HEVC)
External I/O	Ethernet	2 x Intel i210-AT GbE LAN, 1 x Intel i226-V 2.5GbE LAN
	DP	1 x DP1.4 up to 4096 x 2160@60Hz
	HDMI	1 X HDMI 2.0b, up to 4096 x 2160@60Hz
	USB 2.0	2
	USB 3.0	2
	Power DC Jack	Phoenix 4 PIN
	Serial Port	COM1: RS-232/422/485, COM2: RS-232, COM3~4: RS-485
Internal Connectors	M.2 E-Key	1 x M.2 2230 Support Wi-Fi(Support PCIe/CNVI)
	M.2 B-Key	1 x M.2 3052 Support 4G/5G
	M.2 M-Key	1x M.2 2280 SAT3.0
	Internal USB 2.0	3 x Internal USB2.0(PIN Out), 1 x USB2.0 Type-A
	SIM	1 x Nano SIM
	UPS	1 x UPS (Optional)
LED	LED Lights	Power, SATA, USER1, USER2
Power	Supply Voltage	DC9-36V ± 10%
	Max. Consumption	30W
	Power management	AT/ATX
Others	Watchdog	Timer Output System reset, Programmable counter from 1 ~ 255minutes/ seconds
	TPM	TPM 2.0 (Optional)
Environment	Operating Temperature	0~60°C
	Storage Temperature	-40~85°C
	Operating Relative Humidity	95% @ 40°C (Non-Condensing)
	Storage Relative Humidity	95% @ 60°C (Non-Condensing)
Physical Characteristics	Dimensions	172 x 125 x 62.5 mm (L x W x H)
	Weight	1.26kg
	Installation	Wall-mounting/Back-mounting/Din Rail
Certification	EMC	CE, FCC
OS	OS	Windows 10/11, centos 8, ubuntu 20.04/22.04