

SZ711 Compact Fanless IPC

Features

- Intel® 12th Gen Core™ i3/ i5/ i7 CPU
- Dual Channel DDR4-3200 up to 64 GB
- 2 independent display via DP and HDMI
- 2 GbE LAN (2 x Intel i210-AT)
- 1 RS-232, 1 RS-232/422/485, 2 RS-232/485
- 6 USB 3.0
- Support 4G or 5G, Wi-Fi expansion
- DC 9-36V, UPS module is optional
- 180 x 165 x 67mm (L x W x H)
- Windows 10/11, centos 8, ubuntu 20.04/22.04



CPU List

	Intel 12 th Gen Core™ CPU								
CPU	i7-12800H	i5-12600H	i3-12300HE	i7-1270P	i5-1250P	i3-1220P	i7-1265U	i5-1245U	i3-1215U
Turbo Frequency	4.80 GHz	4.50 GHz	4.30 GHz	4.80 GHz	4.40 GHz	4.40 GHz	4.80 GHz	4.40 GHz	4.40 GHz
Cores	14	12	8	12	12	10	10	10	6
Threads	20	16	12	16	16	12	12	12	8
TDP	45W	45W	45W	28W	28W	28W	15W	15W	15W
Cache	24MB	18MB	12MB	18MB	12MB	12MB	12MB	12MB	10MB

Specifications

Item	Sub-Items	SZ711 Series
Processor System	CPU	Intel® 12th Gen Core™ i3/ i5/ i7 CPU
	TDP	Max.45W
	BIOS	AMI 128Mbit SPI Flash
Memory	Sockets	Dual channel DDR4 3200MT/s SO-DIMM
	Capacity	Max. 64GB
Graphics	Controller	Intel® Iris® Xe graphics, up to 96 graphics execution units(EU)
	Graphic Features	8K60 12b 4:2:0 HEVCVP9/SCC, 8K30 10b 4:2:0 AV1, 5K60 10b4:4:4 HEVC/VP9/SCC, 4K60 8b 4:2:0 AVC
External I/O	DP	1 x DP1.4a up to 7680 x 3840(8K)@60Hz
	HDMI	1 x HDMI2.0b up to 4096 x 2304 x 24bpp@60Hz
	Ethernet	2 x Intel i210-AT
	Serial Port	COM1:RS-232/422/485, COM2:RS-232, COM3~4: RS-485
	USB 3.0	6
	LED	4(Power status, HDD RW, USER2, USER1)
Internal Connectors	M.2 E-Key	1 x M.2 E-Key 2230 support Wi-Fi 6 (Support PCI and CNVI)
	M.2 B-Key	1 x M.2 B-Key 3052 support 4G/5G
	M.2 M-Key	1 x M.2 M-Key 2280 support SSD
	SIM	1 x Nano SIM
	SATA 3.0	1X SATA 3.0
	UPS	1 x UPS (Optional)
Power Requirement	Supply Voltage	DC9-36V ± 5%
	Power management	AT/ATX
	Max. Consumption	90W
Physical Characteristics	Construction	Aluminium Alloy
	Dimension	180 x 165x 67mm
	Mounting	Wall Mounting
Environment	Operating Temperature	0~50°C
	Storage Temperature	-40~85°C
	Relative Humidity(operating)	95% @ 40°C (Non-Condensing)
	Relative Humidity (Storage)	95% @ 60°C (Non-Condensing)
OS	OS	Windows 10/11. centos 8. ubuntu 20.04/22.04