

SZX100/SZX120 Allin one IPC

Features

- Intel Apollo Lake processor
- 10.1 "(X100) or 12.1" (X120) industrial grade TFT LCD screen
- 10 points capacitive touch
- 2 x Intel 1225-V GbE LAN
- 3 x USB 3.0, 1x USB 2.0
- 1 x RS-232, 1 x RS-232/422/485
- Front panel IP65 protection level
- Rugged and fanless design



CPU List

	Intel Apollo Lake CPUs			
CPU	Celeron-N3350	Pentium-N4200	Celeron-J3355	Celeron-J3455
Frequency	1.10 GHz	1.10 GHz	2.00 GHz	1.50 GHz
Up to	2.40 GHz	2.50 GHz	2.50 GHz	2.30 GHz
Cores	2	4	2	4
Threads	2	4	2	4
TDP	6W	6W	10W	10W
Cache	2 MB	2 MB	2 MB	2 MB

Specifications

Item	Sub-Items	SZX120 Series
Processor System	CPU	Intel Apollo Lake Celeron/Pentium CPU (N3350/J3355/J3455/N4200)
	TDP	10W MAX
	BIOS	AMI UEFI BIOS at 64 Mb
Memory	Technology	LPDDR4
	Max. capacity	8GB
Graphics	Controller	Intel Gen9 Graphic Engine
Screen	Size	12.1" TFT LCD
	Resolution	1280x 800
	Aspect Ratio	16:9
	Backlight	LED
	Backlight life	50,000Hrs
External I/O	Touch Type	10-points capacitive multi-touch
	LAN	2 x Intel i225-V GbE
	USB	3 x USB3.0, 1 x USB2.0
	COM	1 X RS-232/485/422, 1 X RS-232
	HDMI	1
Internal Connectors	SIM	1 x Nano SIM
	USB 2.0	2
	VGA	1
	SATA 3.0	1
	Serial Port	1X RS-232/422/485, 1X RS-232
	Serial Port	4 X(TTL TX/RX/CTS/RTSIGND)
	GPIO	8
	Audio	1 x HDA
	SMBus	1
	LPC	1
	CPU FAN	1 x 4-Wire Smart Fan, 12V@2A
	Front panel control	Power LED, HD LED, Reset, Power switch
	User LED	4
UPS	1(optional)	
Expansion	M.2 E-Key	1 x M.2 E-Key 2242 support Wifi
	M.2 B-Key	1 x M.2 E-Key 3052 support 4G USB 3.0
	M.2 M-Key	1x M.2 B/M-Key 2280 Sata3.0
Board Feature	Watchdog Timer	65536 lever, 0~65535 sec
	TPM	TPM 2.0
Power Requirement	Supply Voltage	DC 24V ± 5%
	Power management	AT/ATX
	Max. Consumption	35W
	Test Environment	Intel J4205 4G
OS	OS	Windows 10, Linux
Physical Characteristics	Dimension	146 x 102 mm
Environment	Operating Temperature	0~60°C (32~140°F)
	Storage Temperature	-40~85°C (-40~185°F)
	Operating Relative Humidity	95% @ 40°C (Non-Condensing)
	Non-Operating Relative Humidity	95% @ 60°C (Non-Condensing)
Physical Characteristics	Dimension	320 x 219 x 50.8mm