SPC 8000

Intel® Processor N97/N95 (Alder Lake-N)
Ultra-Compact Fanless Embedded System



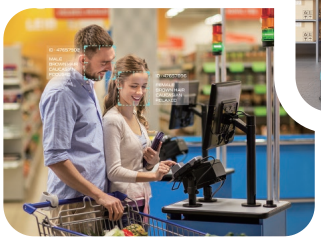
Airport Kiosks





- Delivers efficient computing and OpenVINO™ AI acceleration with Intel® Processor N-Series (12W/15W TDP)
- Ultra-compact size at 110 x 150 x 65 mm (1.1L)
- Fanless, -25°C to 65°C operating temperature
- DDR4 3200MHz memory, up to 16GB (IBECC supported on N97)
- HDMI and DisplayPort dual display supports up to 4K resolution
- 1 2.5GigE LAN (Intel® i226-V) with TSN, 1 Gigabit Ethernet Controller
- DC 12V/19V/24V Redundant Power Input
- External Nano SIM socket supports 5G/WiFi/4G/3G/LTE/GPRS/UMTS

Smart Retail





Warehouse Management

intel.

OpenVINO

4K 2.5G M.2 -25° 65° Redundant

Vecow

Specifications

System

Processor	- Intel® Processor N97, 4-core, 3.6GHz, 12W, IBECC - Intel® Processor N95, 4-core, 3.4GHz, 15W (formerly Alder Lake-N)
BIOS	AMI
Memory	1 DDR4 3200 SO-DIMM, up to 16GB, Non-ECC
OS	Windows 11, Windows 10, Linux

I/O Interface

Serial	- 1 COM RS-232 - 1 COM RS-485
USB	- 4 USB 3.2 Gen1 (Type-A) - 2 USB 2.0 (Type-A)
LED	Power, HDD
SIM Card	1 SIM Card

Graphics

Graphics Processor	- SPC-8000-N95: 16EUs - SPC-8000-N97: 24EUs Supports Dual 4K Display, DirectX 12.1, OpenVINO™
Interface	- 1 HDMI: Up to 4096 x 2160@30Hz - 1 DP++: Up to 4096 x 2160@60Hz

Expansion

M.2	- 1 M.2 Key B Socket (2230/3052, USB 3.0 / USB2.0) - 1 M.2 Key E Socket (2230, PCIe x2 / USB2)

Storage

SATA	1 SATA III (6Gbps) By internal Bracket
M.2	1 M.2 Key M Socket (2280, PCIe x1 / SATA)

Audio

Audio Codec	Realtek® ALC897, 7.1 Channel HD Audio
Audio Interface	1 Mic-in, 1 Line-out

Ethernet

LAN 1	Intel® i210-AT GigE LAN
LAN 2	Intel® i226-V 2.5G LAN

Power

Power Input 1	12V / 19V / 24V DC-in, , Redundant Power Input
Power Input 2	12V / 19V / 24V DC-in, , Redundant Power Input
Power Interface	3-pin Terminal Block : V+, V-, Frame Ground

Others

Watchdog Timer	Reset : 1 to 255 sec./min. per step
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.

Mechanical

Dimensions	110.0mm x 150.4mm x 65.0mm (4.33" x 5.92" x 2.56")
Weight	1.0kg (2.19 lb)
Mounting	- Wallmount by mounting bracket - VESA Mount (Optional) - DIN Rail Mount (Optional)

Environment

Operating Temperature	-25°C to 65°C (-13°F to 149°F)
Storage Temperature	-20°C to 75°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @ 65°C
Shock	MIL-STD-810H method 514.8, Procedure I, Category 4
Vibration	MIL-STD-810H method 516.8, Procedure I
EMC	CE, FCC

Order Information

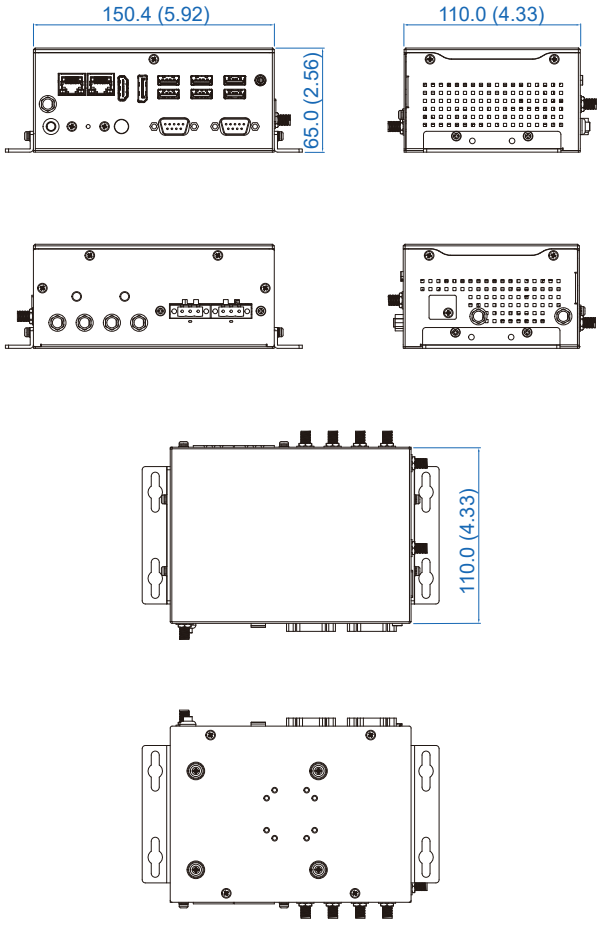
Model	CPU	Ethernet		COM (RS-232)	COM (RS-485)	USB 2.0	USB 3.2 Gen 1
		2.5G LAN	1G LAN				
SPC-8000-N95	N95	1	1	1	1	2	4
SPC-8000-N97	N97	1	1	1	1	2	4

Accessories

DDR4 16G	Certified DDR4 16GB RAM
DDR4 8G	Certified DDR4 8GB RAM
PWA-100W-12V	100W, 12V, AC 90V-264V Power Adapter
PWA-60WP3	60W, 24V, AC 90V-264V Power Adapter
PWA-120W1	120W, 24V, AC 90V-264V Power Adapter
DIN-RAIL	DIN-RAIL Kit
M.2 Storage Module	M.2 Key M Storage Module
5G Module	5G Module with Antenna
4G Module	4G/GPS Module with Antenna
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna

Dimensions & Drawing

Unit : mm (inch)



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Vecow info@vecow.com