

SP-113 SERIES

Front IP65 Silver Aluminum
Touch IPC

Features

12th Gen Intel® Alder Lake-N N97
Fanless and rugged design
Display Size: 12" / 15" / 15.6" / 17" / 17.3" / 18.5" / 19" / 21.5" / 24"
5 Wires Resistive touch solution
IP65 Silver aluminum front bezel
2 x USB, 2 x RS232, 2 x GLAN, 1 x HDMI, 1 x VGA, 1 x DP
VESA mount & Panel mount & Clip mount
DC in 9V~36V



Specifications

Display for 3:4 Ratio

Size	12.1" TFT	15" TFT	17" TFT	19" TFT
Resolution	1024 x 768	1024 x 768	1280 x 1024	1280 x 1024
Colors	16.7M	16.7M	16.7M	16.7M
Luminance	350 cd/m2	300 cd/m2	350 cd/m2	250 cd/m2
Contrast Ratio	800:1	2500:1	1000:1	1000 : 1
View Angle (H/V)	160°/160°	176°/176°	170°/160°	170°/160°

Display for 16:9 Ratio

Size	15.6" TFT	17.3" TFT	18.5" TFT	21.5" TFT	24" TFT
Resolution	1366 x 768	1920 x 1080	1920*1080	1366 x 768	1920*1080
Colors	16.7M	16.7M	16.7M	16.7M	16.7M
Luminance	400 cd/m2	400 cd/m2	400 cd/m ²	250 cd/m ²	350 cd/m ²
Contrast Ratio	500 : 1	700 : 1	600 : 1	1000 : 1	1000 : 1
View Angle (H/V)	170°/160°	160°/140°	160°/140°	170°/160°	178°/178°

SYSTEM

CPU	12th Gen Intel® Alder Lake-N N97		
Memory	1 x 260-pin SO-DIMM DDR4 3200 MHz, up to 32GB		
Storage	1 x SATA 3.0 / 1 x M.2 (Key M, 2242/2260/2280) with PCIe x1 or SATA3 for SSD		
OS Support	Windows 10 Pro / Windows 10 IoT		Windows 11 Pro / Windows 11 IoT
TPM	TPM 2.0 onboard IC		

I/O Ports

* The I/O interface shown may vary depending on the selected motherboard.					
RS232/422/485	2	DP	1		
VGA	1	USB 3.2 Gen2	2		
HDMI	1	GLAN	2		

Expansion Slot

M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for WiFi optional 1 x M.2 (Key B, 3042/3052) with PCIe x1 / USB 3.2 / USB 2.0 and SIM for 4G / 5G
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MECHANICAL & ENVIRONMENTAL

Operation Temp.	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing

Form Factor

Touch Screen	5 Wires Resistive (Single touch)
Mounting	VESA mount (100x100mm) & Panel mount & Clip mount
Power Supply	3 Pin power terminal block for DC in 9V~36V

