

SP-118 SERIES

Front IP65 Silver Aluminum
Touch IPC

Features

Intel® IOTG Alder Lake-N Processor N97
DDR5 4800 MHz SODIMM Slot up to 16GB
Display Size: 12" / 15" / 15.6" / 17" / 17.3" / 18.5" / 19" / 21.5" / 24"
5 Wires Resistive (single touch)
IP65 Silver aluminum front bezel
4 x USB , 2 x RS232, 2 x GLAN, 1 x HDMI, 1 x DP , Audio
VESA mount & Panel mount & Clip mount
DC-in 12V



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	1920*1080	1920*1080
Colors	16.7M	16.7M	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	250 cd/m2	250 cd/m2
Contrast Ratio	500 : 1	700 : 1	600 : 1	1000 : 1	1000 : 1	3000 : 1	1000 : 1
View Angle (H/V)	170°/160°	160°/140°	160°/140°	170°/160°	178°/178°	176°/176°	170°/160°

SYSTEM

CPU	Intel® IOTG Alder Lake-N Processor N97, QC, 12W		
Memory	Single Channel for DDR5 4800MHz Up to 16GB		
Storage	1 x SATA 3.0		
OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Linux (Support by request) Windows 11 IoT Enterprise (64-bit, 23H2, pre-scan)		
TPM	Infineon® SLB 9672VU2.0		

I/O Ports

* The I/O interface shown may vary depending on the selected motherboard.

RS232/422/485	1 (COM1) Optional	GLAN	2
RS232	5 (COM2~6) Optional	USB 2.0	1
HDMI	1	USB 3.2 Gen 1	1
DP	1	USB 3.2 Gen 2	2
AUDIO	1		

Expansion Slot

M.2	1 x M.2 B key (SATA/PCIe x1, USB 3.2 Gen 2 x 1, USB 2.0 w/NANO SIM-Holder), 2242/3042/2280 1 x M.2 E key (PCIe x1, USB 2.0), 2230
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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 (75 X 75 mm) / (100 X 100 mm) & Panel mount & Clip mount
Power Supply	3 Pin Power Terminal Block for DC-in 12V
WIFI Optional	External Antenna (Wi-Fi): Supports M.2 Wi-Fi module with external antenna connection for enhanced signal performance

