Mini-ITX
Intel® Alder Lake-N

TP-119 SERIES

Front IP66/67 Silver Aluminum Touch IPC

Features

Intel® Alder Lake-N PC Client & Embedded Series SoC
DDR5 4800 MHz SODIMM Slot up to 16GB
Display Size: 15" / 15.6" / 17" / 19" / 21.5" / 24"
2 x RS232, 2 x GLAN, 2 x USB 3.2 Gen 2 ,1 x USB 3.2 Gen 1,1 x AUDIO
Front IP65/67 aluminum Touch IPC
5 Wires Resistive (Single touch) / True Flat PCT
VESA mount / Panel mount / Clip mount
DC-in 12V

Specifications

Display for 3:4 Ratio				Display for 16:9 Ratio			
Size	15" TFT	17" TFT	19" TFT	15.6" TFT		21.5" TFT	24" TFT
Resolution	1024 x 768	1280 x 1024	1280 x 1024	1366 x 768	1920 x 1080	1920*1080	1920*1080
Colors	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
Luminance	300 cd/m2	350 cd/m2	250 cd/m2	400 cd/m2	400 cd/m2	250 cd/m2	250 cd/m2
Contrast Ratio	2500:1	1000:1	1000：1	500：1	700：1	3000：1	1000：1
View Angle (H/V)	176°/176°	170°/160°	170°/160°	170°/160°	160°/140°	176°/176°	170°/160°

SYSTEM	
CPU	Intel® IOTG Alder Lake-N Core i3-N305, QC, 9W up to 15W
Memory	DDR5 4800 MHz SODIMM Slot 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	2	**USB 2.0**	1
GLAN	2	**USB 3.2 Gen 1**	1
HDMI	1	**USB 3.2 Gen 2**	2
DP	1	**AUDIO**	1

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

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

Form Factor	
Touch Screen	15"/17"/19"：PCT / 5W (Single touch) 15"/15.6"/17"/19"/21.5"/24"：Projected Capacitive Multi-Touch Panel
Mounting	VESA mount (100x100mm) & Panel mount & Clip mount
Power Supply	DC-in 12V 3P Power terminal block
WIFI Optional	External Antenna (Wi-Fi): Supports M.2 Wi-Fi module with external antenna connection for enhanced signal performance