

TP-113 SERIES

Front IP66/67 Silver Aluminum
Touch IPC

Features

Fanless and rugged design
 12th Gen Intel® Alder Lake-N N97
 Display Size: 15" / 15.6" / 17" / 19" / 21.5" / 24"
 5 Wires Resistive / True Flat PCT
 2 x USB, 2 x RS232, 2 x GLAN, 1 x HDMI, 1 x DP
 VESA mount & Panel mount & Clip mount
 DC in 9V~36V



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	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			USB 3.2 Gen 2	2		
HDMI	1			DP	1		
GLAN	2			VGA	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	3 Pin power terminal block for DC in 9V~36V						

