

OP-117 SERIES

Open Frame Touch IPC

Features

Intel® IOTG Alder Lake-N Core i3-N305
Fanless solution and compact housing
DDR5 4800 MT/s SODIMM Slot up to 16GB
Display Size: 10.1" / 12.1" / 15" / 15.6" / 17" / 17.3" / 18.5" / 19" / 21.5" / 24"
Wide Voltage DC-IN 9~36V
True flat PCT / 5 wires resistive / no touch screen
Open frame mount



Specifications

Display for 4:3 Ratio

Size	10.1" TFT	12.1" TFT	15" TFT	17" TFT	19" TFT		
Resolution	1280 x 800	1024 x 768	1024 x 768	1280 x 1024	1280 x 1024		
Colors	16.7M	16.7M	16.7M	16.7M	16.7M		
Luminance	500 cd/m2	350 cd/m2	300 cd/m2	350 cd/m2	250 cd/m2		
Contrast Ratio	800:1	800:1	2500:1	1000:1	1000 : 1		
View Angle (H/V)	170°/170°	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 Core i3-N305, OC, 9W up to 15W		
Memory	Single Channel for DDR5 4800MT/s Up to 16GB		
Storage	1 x SATA 3.0		
OS Support	Windows 10 IoT Enterprise LTSC (64-bit, 21H2) Windows 11 IoT Enterprise LTSC (64-bit, 24H2)		Linux (Support by request)

I/O Ports

* The I/O interface shown may vary depending on the selected motherboard.			
RS232	2	USB3.2 Gen1	2
HDMI	1	USB3.2 Gen2	2
DP	1	GLAN	2
AUDIO	1		

Expansion Slot

M.2	1 x M.2 B key (SATA/PCIe x1), 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	True flat PCT / 5 wires resistive / no touch screen
Mounting	Open frame mount Installation
Power Supply	2 or 3 Pin Power Terminal Block for DC-in 9~36V (Comes with 12/24 power supply, Varies depending on the model)

