

LPC-P121SHAG-3TxV

12.1" (1024*768) Vehicle P-cap Panel PC, Intel® Tigerlake-UP3 Core™ i3/i5/i7 Processors, 1000nits, IP65 Front Bezel, AG, CFAST socket, Ignition control with Delay On/Off, DC 9~36V Power Input, -40~70°C



Features

- ▶ Intel® Tigerlake-UP3 Core™ i3/i5/i7 Processors
- ▶ 12.1" P-cap Flat Bezel
- ▶ 1024*768 Resolution
- ▶ 1000nits Backlight
- ▶ IP65 / 66 Front Panel
- ▶ Bezel-Free Design
- ▶ Fanless Design
- ▶ DC 9~36V Wide Range Power Input
- ▶ Ignition control with Delay On/Off
- ▶ 3-Pin Power Input Terminal Block

System	
Processor	Intel® TigerLake-UP3 Core™ i3/i5/i7 Processors
System Memory	2 x DDR4 SO-DIMM, up to 64GB
External I/O Port	4 x USB 3.2 Gen2 Ports 2 x RJ45 GbE LAN (Intel® I225-LM supports 2.5GbE LAN) 1 x Display Port 1 x HDMI 4 x RS-232/422/485 1 x Audio out 1 x Power press button 1 x 3-Pin Terminal Block for Power Input
Storage	1 x CFAST Socket 1 x M.2 B-key 2242/3042 (SATA Signal) 1 x M.2 M-key 2280 (PCIe Gen., 4 x4 Signal)
Operating System	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise (64-bit, 21H2, Pre-scan) Linux Ubuntu 22.04 (64-bit, by request) Linux Yocto Project 3.1 (64-bit, by request)
Expansion	1 x M.2 B-key 2242/3042 (PCIe x1, USB 2.0) 1 x M.2 E-key 2230 (PCIe x1, USB 2.0)

LCD	
Display Type	12.1" TFT LCD
Max. Resolution	1024*768
Contrast Ratio	1000 : 1
Max. Color	16.2M
Luminance	1000 nits
View Angle	89/89/89/89

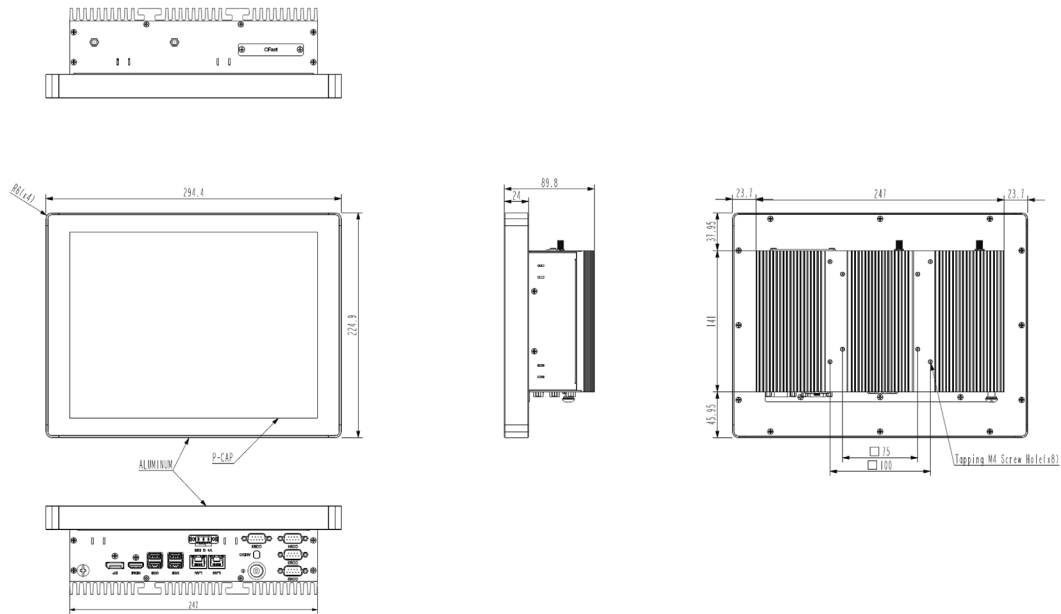
Power Requirement	
Power Input	DC 9~36V Wide Range Power Input with Ignition control

Touch Screen	
Type	12.1" P-cap USB

Environment	
Operating Temp	-40~70 °C · IEC-60068-2-1/2/14
Storage Temp	-40~70 °C
Humidity	10~90% @40 °C, non-condensing
Cerfitication	FCC/CE ClassA, FCC/CE ClassA
EMC	FCC / CE Class A Certification
Vibration & Shock	MIL-STD-810H, Method 514.8, Procedure I, 5~500Hz (Compliance) MIL-STD-810H, Method 516.8, Procedure I, 20g 11ms (Compliance)
Mounting	VESA Mount 75 x 75 / 100 x 100 by M4 Screw Hole

* All specifications are subject to change without prior notice.

Dimension & I/O Connector



Ordering Information

LPC-P121SHAG-3T3V	12.1" (1024*768) Vehicle P-cap Panel PC, Intel® Tigerlake-UP3 Core™ i3-1115G4E, 1000nits, IP65 Front Bezel, AG, CFAST socket, Ignition control with Delay On/Off, DC 9~36V Power Input, -40~70°C
LPC-P121SHAG-3T5V	12.1" (1024*768) Vehicle P-cap Panel PC, Intel® Tigerlake-UP3 Core™ i5-1145G7E, 1000nits, IP65 Front Bezel, AG, CFAST socket, Ignition control with Delay On/Off, DC 9~36V Power Input, -40~70°C
LPC-P121SHAG-3T7V	12.1" (1024*768) Vehicle P-cap Panel PC, Intel® Tigerlake-UP3 Core™ i7-1185G7E, 1000nits, IP65 Front Bezel, AG, CFAST socket, Ignition control with Delay On/Off, DC 9~36V Power Input, -40~70°C

Ordering Code

LPC-P121SHAG-3TxV -H / -OB / -B / -AG / -AR / -V

H = High Brightness 1000 nits LED backlight

OB = Optical Bonding

B = Glass Without Touch

AG = Anti-Glare

AR = Anti-Reflection

V = Vandal Proof Glass (By Project)

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