

LPC-P121S-3X

12.1" Bezel-Free P-cap Panel PC with
7 / 6 Gen Core i7 / i5 / i3 , IP65 / 66 and
Wide Range Power Input



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Features

- ▶ -30 ~ 70°C Operating Temp
- ▶ IEC-60945 Certified
- ▶ IP65 / 66 Front Panel
- ▶ Fanless Design
- ▶ 3-Pin Power Input Terminal Block
- ▶ DC 12~24V Wide Range Power Input
- ▶ 1024*768 Resolution
- ▶ 350 nits LED Backlight
- ▶ Optional 1000 nits LED Backlight
- ▶ CFast Slot
- ▶ Audio / Mic (Optional)
- ▶ Flat Resistive Touch (Optional)
- ▶ -30°C Cold Start

System

Processor	7th/6th Gen Kaby Lake-U/Skylake-U Core™ i7/i5/i3
System Memory	DDR4 SO-DIMM, up to 8 GB
External I/O Port	4 x USB 3.0 2 x GbE LAN (I210-AT & I219LM, AMT 11.x supported) 1 x Display Port 1 x HDMI 2 x RS-232 1 x RS-422/485 (COM1) 1 x 3-Pin Power Input 1 x CFast Slot (Top IO Side) 2 x USB 2.0 (Optional)
Storage	1 CFast Slot, Push-in/ Push-out Ejector 1 x mSATA (full size mini-PCIe)
Operating System	6th Gen CPU for Win 7 Pro/ WES7 / Win 8 / Win 10 7th Gen CPU for Win 10
Expansion	2 x MiniPCIe Slot (1 x Nano Sim Holder)

LCD

Display Type	12.1" TFT LCD
Max. Resolution	1024*768
Max. Color	16.7M
Luminance	350 nits
View Angle	80/80/80/80
Backlight Lifetime	30,000 hours

Power Requirement

Power Input	3-Pin Power Input Terminal Block (Default Always Power-on) DC 12~24V Wide Range Power
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Touch Screen

Type	12.1" P-cap USB interface
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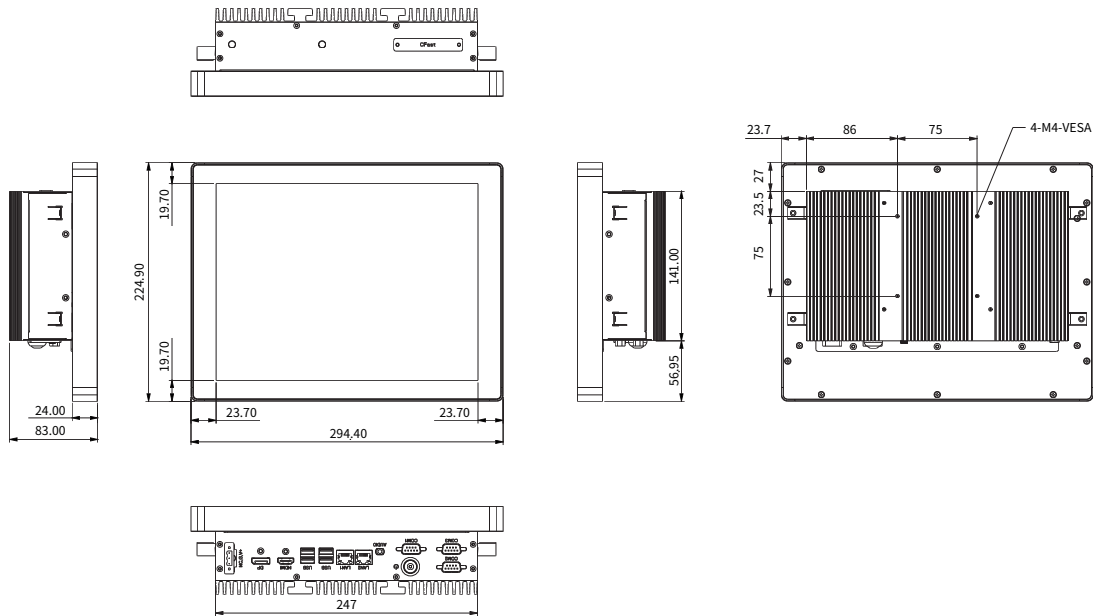
Environment

Operating Temp	-30~70°C IEC-60068-2-1/2/14
Storage Temp	-20~80 °C
Humidity	10~90% @40 °C, non-condensing
EMC	FCC / CE Class A Certification CE Class B Compliant
Vibration	1.5 Grms @10~500Hz, IEC-60068-2-64

Mechanical

Construction	Aluminum Front Bezel and Case
IP Rating	Front Panel IP65 / IP66 Compliant
Mounting	VESA / Panel Mount (Optional)
Dimension	294.4 x 224.9 x 83

Dimension & I/O Connector



Ordering Information

LPC-P121S-35	12.1" P-cap Panel PC with i3-6100U, 1024 x 768 Resolution, 350 nits, DC12~24V Power Input, including a 3-Pin Power Adapter (12V/5A)
LPC-P121S-36	12.1" P-cap Panel PC with i5-6300U, 1024 x 768 Resolution, 350 nits, DC12~24V Power Input, including a 3-Pin Power Adapter (12V/5A)
LPC-P121S-37	12.1" P-cap Panel PC with i7-6600U, 1024 x 768 Resolution, 350 nits, DC12~24V Power Input, including a 3-Pin Power Adapter (12V/5A)
LPC-P121S-3K5	12.1" P-cap Panel PC with Kaby Lake i5-7600U, 1024 x 768 Resolution, 350 nits, DC12~24V Power Input, including a 3-Pin Power Adapter (Only work with Win 10)
WFK-024	WiFi kits w/ cable & Antenna (2.4GHz, 802.11 b/g/n, 1T1R)
WFK-524	WiFi kits w/ cable & Antenna (2.4 & 5GHz, 802.11 a/b/g/n/ac + BT, 2T2R)
04-US-26-00002	120 W / 24V power adapter with 3 pin terminal block (For High Brightness Model)

Ordering Code

LPC-P121S-3X	-H / -OB / -G / -AG / -AR / -B / -V / -T
H = High Brightness 1000 nits LED backlight	
OB = Optical Bonding	
G = Glass without touch	
AG = Anti-Glare	
AR = Anti-Reflection	
B = DC9~36V Power Board with Input on board fuse / Input reverse / Over current / Output short circuit protection	
V = Vandal Proof Glass (By Project)	
T = Operating Temperature -30~70°C	
M = M12 connector (TBC)	

Ordering Example

LPC-P121SH-26	12.1" P-cap Panel PC with i5-6300U, 1024 x 768 Resolution, 1000 nits , DC12~24V Power Input, including a 3-Pin Power Adapter (12V/5A)
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