

W27IT7T-PPA1 27" Intel(R) Core(TM) i5 (Tiger Lake) PP Series HMI Panel PC

Manufacturer part number: W27IT7T-PPA1 | HMI (P-CAP Touch)



Explore Winmate W27IT7T-PPA1, an HMI panel PC featuring Intel(R) Core(TM) i5, 27-inch display with 1920x1080 resolution, IP65 for machine control and factory...

Display	
Size	27.0 inches
Touch / Glass	Projected Capacitive Multi Touch Screen
Resolution	1920x1080
Panel Brightness	300.0 nits
Contrast Ratio	3000:1
View Angles	89,89,89,89
Active Area	597.6x336.15 mm
System Specification	
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)
Memory	2 x non-ECC SO-DIMM RAM, up to 64GB (32GB per DIMM)
Storage	128GB SSD(Default), 256GB SSD (Optional), 512GB SSD (Optional), 1TB (Optional), 2TB (Optional), 4TB, 1 x SATA III for 2.5" SSD/HDD (Optional)
Ethernet controller	2 x Intel(R) Ethernet Controller
Security	TPM 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional), Windows 11 Pro 64 bit (Optional), Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)
WLAN	Support (Optional)
BT	Support (Optional)
Mechanical	
Dimension	683 x 421 x 75.2 mm
Cut out	666.2 x 400.4 mm
Weight	11.8 kg
Mounting	Panel mount (Default), VESA mount (Optional)
Enclosure	Metal Housing
Cooling System	Fanless Design
Environment	
Operating Humidity	10% to 90% RH, Non-Condensing

Operating Temperature	0 deg C to 50 deg C
Storage Temperature	-10 deg C to 60 deg C
IP rating	Front IP65
Certification	
Certification	CE, FCC
IO Ports	
USB Port	4 x USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232), 1 x RS232
LAN	1 x Giga LAN RJ45 Connector, 1 x 2.5 Giga LAN RJ45 Connector
Video	1 x DP1.4 (Default), 1 x HDMI 2.0 (Optional)
Audio	Mic in, Line out
Expansion Port	1 x M.2 2280 M-Key Slot (for NVME SSD), 1 x M.2 2230 E-Key Slot (for Wi-Fi module), 1 x PCIe 4.0 (x16) slot (x4 signal)
Indicator	1 x LED Indicator for power, 1 x LED Indicator for storage
Brightness Knob	1 x Brightness Adjustment Knob
Power Input	1 x 12V DC, Din4 pin connector
Control	
Button	1 x Power Button, 1 x Reset Button
Accessory	
Accessory	100~240V AC to DC Adapter, Power Cord, VESA screws
Power	
Power Rating	12V DC
Adapter	12V 120W