

W27IAD7T-POA1 27" Intel(R) Core(TM) Alder Lake LGA 1700 PO Series HMI Panel PC

Manufacturer part number: W27IAD7T-POA1 | HMI (P-CAP Touch)



Explore Winmate W27IAD7T-POA1, an HMI panel PC featuring 27-inch display with 1920x1080 resolution, IP65 for machine control and factory automation.

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(R) Core(TM) i3-12100TE(up to 4.00GHz) (Default), Intel(R) Core(TM) i5-12500TE(up to 4.3GHz) (Optional), Intel(R) Core(TM) i7-12700TE(up to 4.6GHz) (Optional), Intel(R) Core(TM) i9-12900TE(up to 4.80GHz) (Optional), Intel(R) Core(TM) i3-14100T(up to 4.4GHz) (Optional), Intel(R) Core(TM) i5-14500T(up to 4.8GHz) (Optional), Intel(R) Core(TM) i7-14700T(up to 5.2GHz) (Optional), Intel(R) Core(TM) i9-14900T(up to 5.5GHz) (Optional)
Chipset	Intel(R) R680E
Memory	2 x SO-DIMM, DDR5 4800 MHz, 8GB (Default), 16GB (Optional), 32GB (Optional), 64GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 256GB (Default), 512GB (Optional), 1TB (Optional), 2TB (Optional), 2 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	685.4 x 423.4 x 84.2 mm
Weight	11.3 kg
Mounting	VESA mount
Enclosure	Metal Housing
Cooling System	Fan 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
Certification	
Certification	CE, FCC
IO Ports	
USB Port	4 x USB 3.2 Gen2x1 (10Gbps, TypeA)
Serial Port	1 x RS232/422/485 (Default RS232), 1 x RS232
LAN	2 x 2.5 Giga LAN RJ45 Connector
Video	1 x DP1.4a DP++ , Max resolution up to, 4096x2160@60Hz (Default), 1 x HDMI 2.0b , Max resolution up to, 4096x2160@60Hz (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)
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 220W