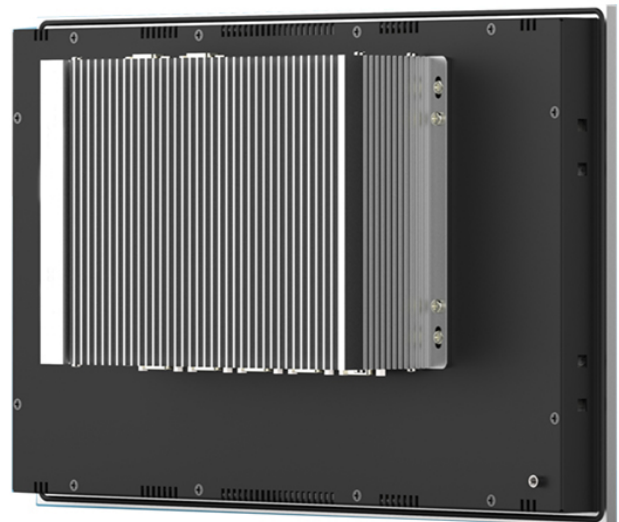


TPC-PC240A Overview

Key features:

- 24" Projective capacitive multi-point touch
- Intel Apollo lake J3455/J3355 processor
- Impact, fan-less design, Finned heat sink
- 2 * Intel GLAN, and 1* 2.5" SATA + 1* mSATA
- Optional No-touch function, with Glass



Brief Introduction

TAICENN TPC-PC240A series is a low power-consumption, Fan-less designed, enhanced stability and reliability industrial 24-inch Touch Panel PC product. It adapts Intel Apollo lake J3455/J3355 processor. TPC-PC240A series storage can support 2.5" SATA and mSATA interface, HDD or SSD. The design uses a multi-point (10- points) projective capacitive touch screen, and it can fulfill front panel NEMA/IP65 dust-proof and water-proof standards.

The TPC-PC240A uses full-sealed box construction, and it can prevent dust from entering the device system.

The TAICENN TPC-PC240A is compatible with Windows XP, Windows XP embedded, Windows 7, Windows 8, Win10, Linux and other major OS and embedded OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

System	
CPU	Intel Apollo lake J3455/J3355
CPU Ghz	Quad-core Four threads, 1.5Ghz / Dual-core Two threads, 2.0Ghz
Memory	DDR3L, Max. up to 8GB
Storage	1* 2.5" SATA + 1* mSATA
Display	Support HDMI/VGA output
Watch dog	Programmable 1~255 seconds
System	Support WIN XP, WIN 7, WIN 8, WIN10, VxWorks, QNX, Linux
I/O	
Network	2* Intel I211AT
USB	2* USB 2.0 + 4* USB 3.0
COM	6* RS232 (Surge and electrostatic protection)
Audio	Realtek ACL 269 Audio controller
Expansion	WIFI/3G/4G (1* Mini-PCIe slot)
Others	DC IN, trigger button, Indicator light, antenna interface
LCD	
Size/Type	24" TFT LCD
Resolution	1920 * 1080
Brightness	250 (cd/m ²)
Brightness MTBF	WLED, 30 000 hours
Display area	531.36 x 298.89
Viewing angle	85/85/80/80 (Typ.)
TOUCH	
Type	Projective capacitive (P-cap.)
Interface	USB
Transparency	>90±3%
Touch points	10 Points
Durability	>100 000 000 times
Surface hardness	Mohs 6H
Operating force	≤10g
Structure	
Front Panel	Magnesium-aluminum alloy, Anodizing treatment
Back Panel	SGCC Galvanized plate sheet, Sand-blasting
Cooling System	Finned aluminum heatsinks, fan-less design

IP rating	IP65 front panel
Mounting	Panel mounting, support VESA 75/100
Hole dimension	573 x 340 (mm)
Product Dimension	582 x 349.2 x 88 (mm)
Net weight	8KG
Power and Environmental	
Voltage Input	DC 12V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 30W
Working temperature	0°C~+60 °C
Storage temperature	-20°C~+70 °C
Relative humidity	10~95%@10°C (No condensation)
Vibration	50~500Hz, 1.5G, 0.15mm peak to peak
Shock	10G/peak (11ms sec)

Ordering Information

Ordering Part no.	Description
TPC-PC240A1	24"/ J3455 CPU/1920*1080/ P-cap. Touch/2*GLAN/ 6*RS232/ 6* USB/DC 12V Adapter
TPC-PC240A1-4G-32GS	TPC-PC240A1 + 4GB RAM + 32GB SSD
TPC-PC240A1-4G-64GH	TPC-PC240A1 + 4GB RAM +64GB HDD
TPC-PC240A2	24"/ J3355 CPU/1920*1080/ P-cap. Touch/2*GLAN/ 6*RS232/ 6* USB/DC 12V Adapter
TPC-PC240A2-8G-64GS	TPC-PC240A2 + 8GB RAM + 64GB SSD
TPC-PC240A2-4G-128GH	TPC-PC240A2 + 4GB RAM + 128GB HDD
TPC-PG240A1	24"/J3455 CPU/1920*1080/ Glass (No touch)/2*GLAN/6*RS232/6*USB/DC 12V Adapter
TPC-PG240A2	24"/J3355 CPU/1920*1080/ Glass (No touch)/2*GLAN/6*RS232/6*USB/DC 12V Adapter
TPC-PG240A1-4G-64GH	TPC-PG240A1 + 4GB RAM + 64GB HDD

TAICENN Technology

*TAICENN, is a leading global **solution provider** of Embedded Box IPC, Touch panel IPC and industrial monitor, which are designed specifically for systems and applications that require excellent performance, high-level reliability and stability, long supply period and supports.*

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