

TAICENN

TPC-PC240C

24.0" Intel Baytrail J1900/J1800 P-CAP touch Panel mounting Panel PC

Specification

Version 1.0

Key features:

- 24.0" Projective capacitive multi-point touch;
- Intel Baytrail J1900/J1800 processor;
- Impact, fan-less design, Finned heat sink;
- 2 * Intel GLAN, and 1* 2.5" SATA + 1* mSATA;
- **Optional** precision high-temp. Five wires Resistive touch;
- **Optional** No-touch function, with Glass.

Product Image



Brief Introduction

TAICENN TPC-PC240C series is a low power-consumption, Fan-less designed, enhanced stability and reliability industrial 24.0-inch Touch Panel PC product. It adapts Intel Baytrail J1900/J1800 processor. TPC-PC240C 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 (Optional with high-temp. five-wires resistive touch, or No touch), and it can fulfill front panel NEMA/IP65 dust-proof and water-proof standards.

The TPC-PC240C uses full-sealed box construction, and it can prevent dust from entering the device system.

The TAICENN TPC-PC240C is compatible with Win7, Win8, Win10, Linux, Unix OS, and it also has a good compatibility with customized applications and software programs.

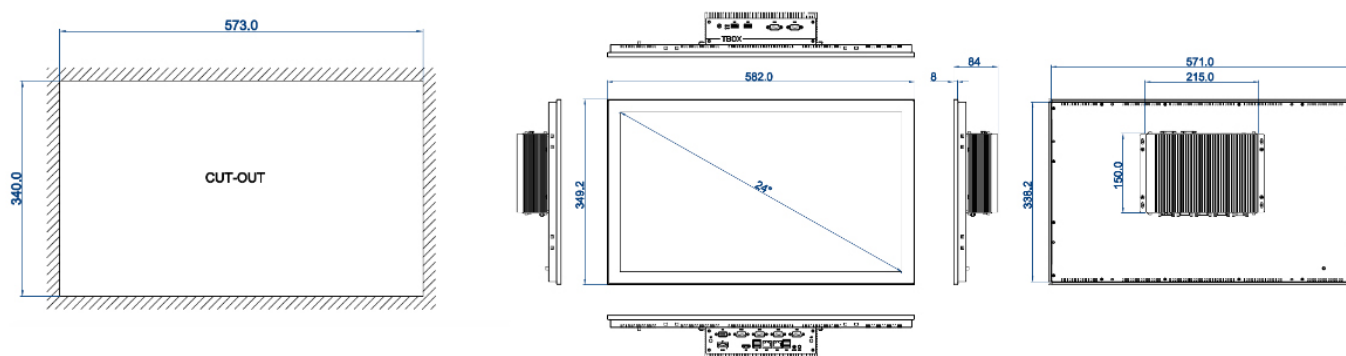
Technical Data

Model Item	TPC-PC240C1	TPC-PC240C2
System		
BIOS	SPI AMI EFI BIOS	
CPU	Intel Baytrail J1900	Intel Baytrail J1800
CPU Ghz	Quad-core 2.0Ghz	Dual-core 2.4Ghz
Memory	SO-DIMM, DDR3L, Max. up to 8GB	
Graphic card	Intel HD Graphics Gen7	
Network	2*Intel I211AT, expansion with Wifi/3G/4G	
Storage	1x 2.5” SATA + 1x mSATA	
Audio	Realtek ACL 282 controller	
Watch dog	Programmable 1~255 seconds	
Operating System	Win7, Win8, Win 10, Linux, Unix	
I/O		
Network	2x RJ45, 10/100/1000 Mbps	
USB	4x USB 2.0 + 1x USB 3.0	
COM	6x RS232 (Surge and electrostatic protection) COM4/5 support RS232/RS485 COM6 support RS232/TTL	
Audio	Line-In, Line-Out	
Display	1*VGA, 1*HDMI	
Power Input	1*2 pins, phoenix terminal	
LCD		
Size/Type	24.0” TFT LCD	
Resolution	1920 * 1080 (XGA)	
Brightness	250 (cd/m²)	

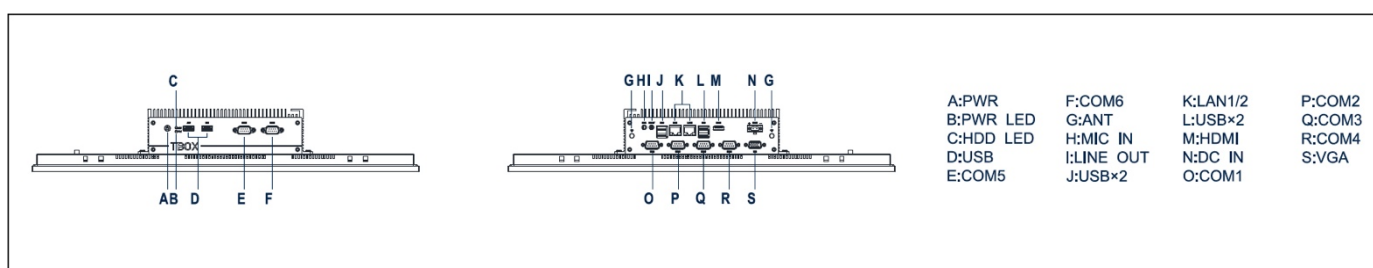
Brightness MTBF	WLED, 30 000 hours
Display area	531.36 x 298.89 mm (H*V)
Viewing angle	85/85/85/85 (Typ.)
TOUCH	
Type	Projective capacitive (P-cap.)
Interface	USB
Transparency	>90±3%
Touch points	10 Points
Durability	>100 000 000 times
Surface hardness	Mohs 6H
Operating force	≤10g
Special treatment	Anti-finger treatment (AF)
Optional Resistive touch	
Type	High-temp. precision 5 wires Resistive touch
Interface	USB (Optional RS232)
Transmittance	>80±3%
Resolution	4096 x 4096
Click life	250g/ 35 000 000 times
Response time	<15ms
Operating force	≤50g
Surface treatment	PET film laminated
Surface hardness	>Mohs 3H
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 (W*H)
Product Dimension	582 x 349.2 x 84 mm (W*H*D)
Net weight	8 KG
Power and Environmental	
Voltage Input	DC 9~24V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 30 W
Working temperature	0°C~+60 °C

Storage temperature	-20℃~+60 ℃
Relative humidity	10~95%@10℃ (No condensation)
Vibration	50~500Hz,1.5G,0.15mm peak to peak
Shock	10G/peak (11ms sec)

Dimension



I/O definition



Ordering Information

TPC-PC240C1	24.0", 1920*1080, Intel Baytrail J1900, 1*USB3.0+4*USB2.0, 6*RS232, PCAP TOUCH , 2*GLAN, DC 12V Adapter
TPC-PC240C2	24.0", 1920*1080, Intel Baytrail J1800, 1*USB3.0+4*USB2.0, 6*RS232, PCAP TOUCH , 2*GLAN, DC 12V Adapter
TPC-PR240C1	24.0", 1920*1080, Intel Baytrail J1900, 1*USB3.0+4*USB2.0, 6*RS232, Resistive TOUCH , 2*GLAN, DC 12V Adapter
TPC-PR240C2	24.0", 1920*1080, Intel Baytrail J1800, 1*USB3.0+4*USB2.0, 6*RS232, Resistive TOUCH , 2*GLAN, DC 12V Adapter
TPC-PG240C1	24.0", 1920*1080, Intel Baytrail J1900, 1*USB3.0+4*USB2.0, 6*RS232, NO TOUCH , 2*GLAN, DC 12V Adapter
TPC-PG240C2	24.0", 1920*1080, Intel Baytrail J1800, 1*USB3.0+4*USB2.0, 6*RS232, NO TOUCH , 2*GLAN, DC 12V Adapter
Memory	SO-DDR3L 2G/4G/8G
Storage	SSD: 16GB/32GB/64GB/128GB/256GB/512GB/1TB HDD: 500GB/1TB
Wireless module	WIFI: 802.11 b/g/n Mini PCIe 3G/4G/LTE: All network module
Bracket	TPC-PC Series VESA bracket

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.*

The information in this specification is subject to change without notice

All parts of TAICENN Technology documentation are protected by copyright law and all rights are reserved. This documentation may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form without prior consent, in writing, from TAICENN Technology.