

TAICENN

TPC-PR156HS

15.6" widescreen Full HD Intel 6th-gen. Core i3/i5/i7

P-CAP touch Panel mounting Panel PC

Specification

Version 2.1

Key features:

- 15.6" Full HD, 1920*1080, 5-wires Resistive touch;
- Intel Skylake 6th generation Core i3/i5/i7 processor;
- Impact, fan-less design, Finned heat sink;
- Rich IO: 2* Intel GLAN, 6* USB3.0/2.0, 1* HDMI, 1*VGA, 6* COM;
- **Front surface PET film laminated, true flat front panel;**
- **Optional** 10-points multi points projective capacitive touch.



Brief Introduction

TAICENN TPC-PR156HS series is a high performance, Fan-less designed, enhanced stability and reliability industrial 15.6-inch widescreen Full HD 1920*1080 resolution Touch Panel PC product. It adapts Intel Skylake 6th -gen Core i3/i5/i7 processor. TPC-PR156HS series storage can support 2.5" SATA and mSATA interface, HDD or SSD. The design uses a high-temp. five-wires resistive touch, together with a specific PET film laminated to be true flat design. And it can fulfill front panel NEMA/IP65 dust-proof and water-proof standards.

The TPC-PR156HS uses full-sealed box construction, and it can prevent dust from entering the device system.

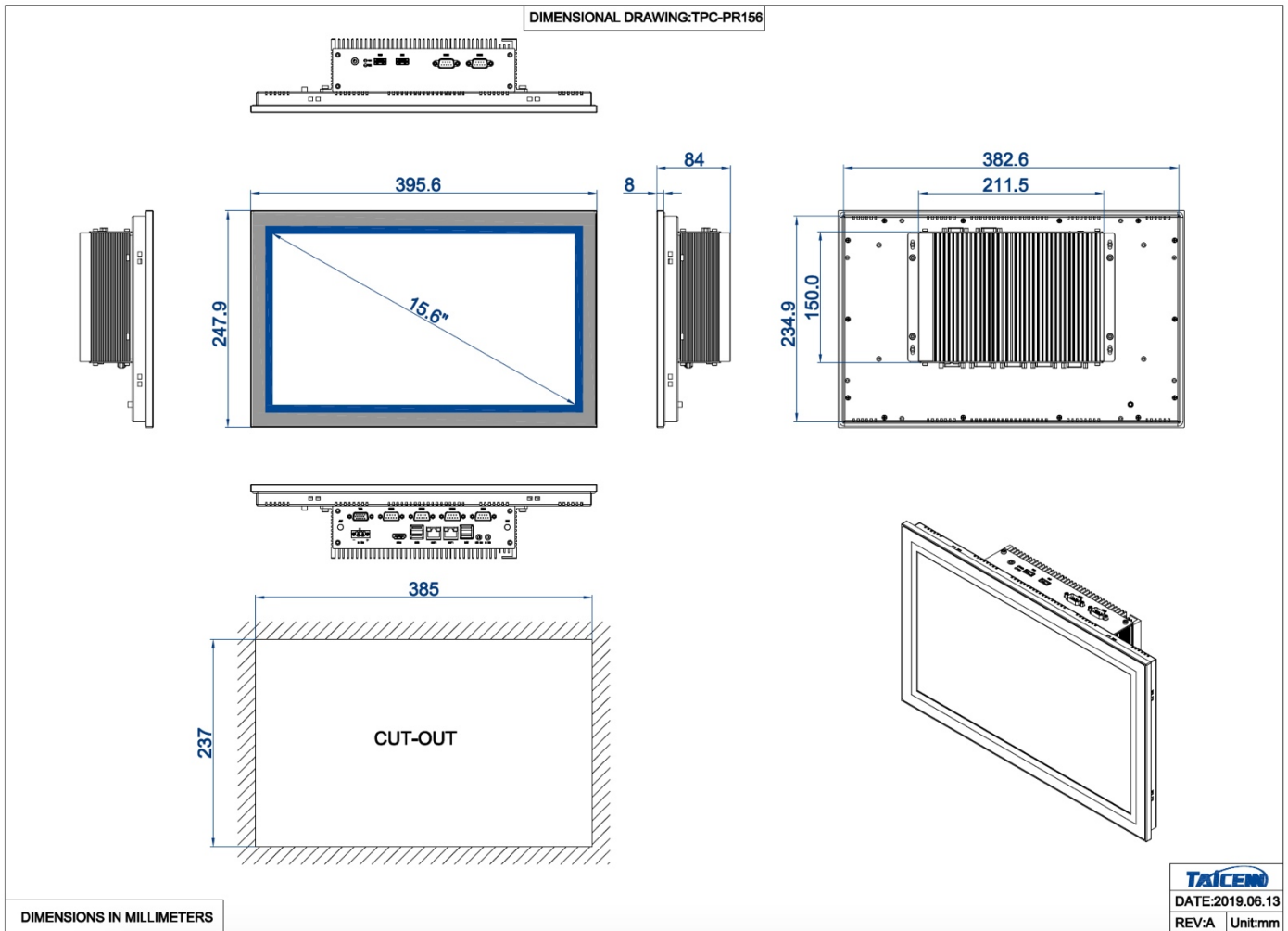
The TAICENN TPC-PR156HS is compatible with Win7, Win8, Win embedded, Win10, Linux OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

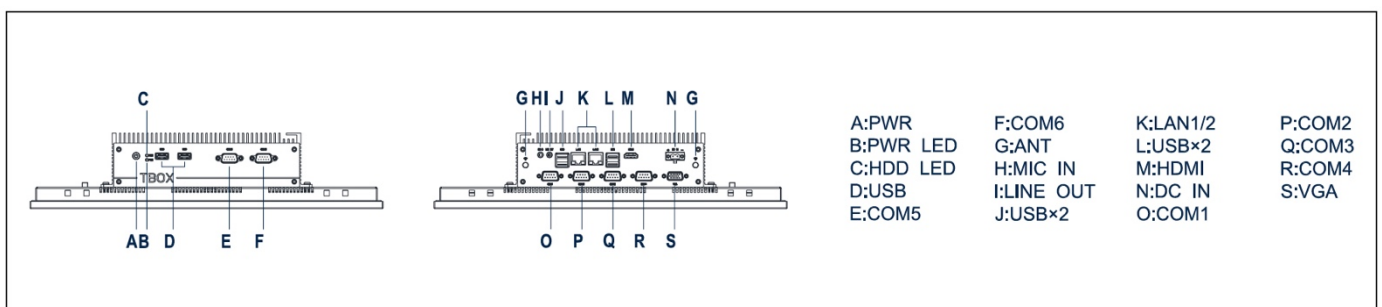
Model Item	TPC-PR156HS1	TPC-PR156HS2	TPC-PR156HS3
System			
BIOS	SPI AMI EFI BIOS		
CPU	Intel Core i3-6100U	Intel Core i5-6200U	Intel Core i7-6500U
CPU Ghz	Dual-core Four threads, 2.3Ghz, TDP 15W	Dual-core Four threads, 2.3Ghz, Burst to 2.8Ghz, TDP 15W	Dual-core Four threads, 2.5Ghz, Burst to 3.1Ghz, TDP 15W
Memory	DDR4L, Max. up to 16GB		
Graphic card	Intel HD Graphics 500		
Network	2*Intel I211AT, expansion with Wifi/3G/4G		
Storage	1x 2.5" SATA + 1x mSATA		
Audio	Realtek ACL 269 controller		
Watch dog	Programmable 1~255 seconds		
Operating System	Win7, Win8, Win embedded, Win 10, Linux, Unix		
I/O			
Network	2x RJ45, 10/100/1000 Mbps		
USB	2x USB 2.0 + 4x 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	15.6" TFT LCD
Resolution	Full HD 1920 * 1080
Brightness	400 (cd/m ²)
Brightness MTBF	WLED, 50 000 hours
Display area	344.232 x 193.536 mm (H*V)
Viewing angle	70/70/70/70 (Typ.)
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 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	385 x 237 mm (W*H)
Product Dimension	395.6 x 247.9 x 84 mm (W*H*D)
Net weight	4.5 KG
Power and Environmental	
Voltage Input	DC 12~24 V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 40 W
Working temperature	0°C~+50 °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)

Dimension



I/O definition



Ordering Information

TPC-PR156HS1	15.6", 1920*1080, Intel Core i3-6100U, 2*GLAN, 4*USB3.0+2*USB2.0, 6*RS232, 1*HDMI, 1*VGA, Resistive touch , DC 12V Adapter
TPC-PR156HS2	15.6", 1920*1080, Intel Core i5-6200U, 2*GLAN, 4*USB3.0+2*USB2.0, 6*RS232, 1*HDMI, 1*VGA, Resistive touch , DC 12V Adapter
TPC-PR156HS3	15.6", 1920*1080, Intel Core i7-6500U, 2*GLAN, 4*USB3.0+2*USB2.0, 6*RS232, 1*HDMI, 1*VGA, Resistive touch , DC 12V Adapter
Memory	SO-DDR4L 4G/8G/16G
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

Revision History

Date	Revision	Description
2018-01-03	V1.0	Initially release
2019-06-13	V2.0	Dimension layout update (Panel mount hole update) New Images update
2019-06-30	V2.1	CPU description update Add revision history content

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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