

TAICENN

TPC-DR190S2E

19.0-inch Intel Core i5-6200U Resistive touch VESA mounting **Sunlight Readable**

Outdoor Panel PC

Specification

Version 2.0

Key features:

- 19.0-inch LCD, High-temp. precision 5-wires Resistive touch screen;
- Intel Skylake 6th Core i5-6200U 2.3Ghz processor;
- Wide voltage DC 9~36V power input;
- Aviation connector, waterproof, special spring type design;
- Full Aluminum-magnesium alloy, CNC finished;
- Wide-temp range, support -20°C~+70 °C;
- Fanless, full-sealed design, complete IP65 rating.
- **I/O:** 5*GLAN, 4*USB 3.0

Brief Introduction

TAICENN TPC-DR190S2E model is a **customized** high performance, Fan-less designed, enhanced stability and reliability industrial 19.0-inch Sunlight readable display panel PC product, specially designed for **Outdoor rail ultrasonic inspection** applications. It adapts Intel Skylake 6th Core i5-6200U 2.3Ghz processor. TPC-DR190S2E series storage can support 2.5" SATA and mSATA interface SSD. The design uses a high-temp. five-wires resistive touch, and it uses waterproof aviation connector, can fulfill complete machine IP65 rating protection.

The TPC-DR190S2E uses full-sealed box construction, and it can prevent dust from entering the device system. In such a small limited dimension, TPC-DR190S2E model is designed with 5*Intel GLAN, 4*USB3.0.

The **TAICENN** TPC-DR190S2E is compatible with Win7, Win8, Win10, Linux, Unix OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

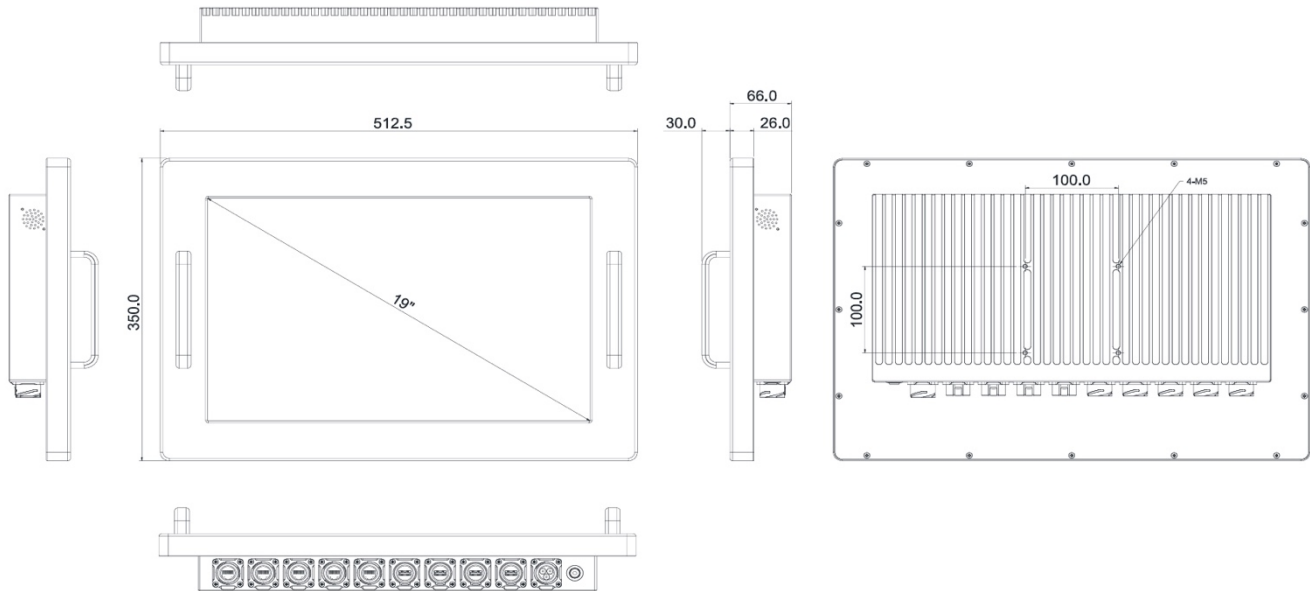
Model Item	TPC-DR190S2E
System	
BIOS	SPI AMI EFI BIOS
CPU	Intel Skylake 6 th Core I5-6200U
CPU Ghz	Dual-core, four threads, 2.3Ghz
Memory	SO-DIMM, DDR4L, Max. up to 16GB
Network	5*Intel I211AT, expansion with Wifi/3G/4G
Storage	1x 2.5" SATA (1TB SSD)
Watch dog	Programmable 1~255 seconds
Operating System	Win7, Win8, Win 10, Linux, Unix
I/O	
Network	5x RJ45, 10/100/1000 Mbps (RJ45 Aviation connector)
USB	4x USB 3.0 (USB Aviation connector)
COM	None
Audio	None
Display	None
LCD	
Size/Type	19.0" TFT LCD
Ratio	16:10
Resolution	1440 * 900 (XGA)
Brightness	Max. up to 1000 nits, brightness adjustable
Brightness MTBF	WLED, 30 000 hours
Display area	162 x 121.5
Viewing angle	85/85/80/80 (Typ.)
TOUCH	
Type	High-temp. precision 5-wires resistive touch
Interface	USB
Transparency	>80±3%
Resolution	4096 x 4096
Click life	250g/ 35 000 000 times
Surface hardness	Mohs 6H
Response time	< 15ms
Operating force	≤ 50g
Surface hardness	>MOHS 3H

Structure	
Front Panel	Magnesium-aluminum alloy, CNC finished, surface anodize treatment
Back Panel	Magnesium-aluminum alloy, CNC finished, surface anodize treatment
Cooling System	Finned aluminum heatsinks, fan-less design
IP rating	Complete IP65 rating
Mounting	VESA 75/100
Hole dimension	253 x 195 (mm)
Product Dimension	203.5 x 163.0 x 51.5 (mm)
Net weight	3.5KG
Power and Environmental	
Voltage Input	DC 9~36 V (Over-current, Over-voltage and reverse polarity protection), Waterproof aviation connector.
Power Consumption	About 20 W
Working temperature	-25°C~+70 °C
Storage temperature	-30°C~+80 °C
Relative humidity	10~95%@10°C (No condensation)
Vibration	50~500Hz,1.5G,0.15mm peak to peak
Shock	10G/peak (11ms sec)

Images:



Dimension



Connector (Aviation plug)



Ordering Information

TPC-DR190S2E	19.0", 1440*900, Intel 6 th Core i5-6200U, 4*USB3.0, 5*GLAN, Resistive touch, DC 9~36V, waterproof aviation connector, high brightness 1000 nits, Adapter & cable
Memory	SO-DDR4L 4G/8G/16GB
Storage	SSD: 16GB/32GB/64GB/128GB/256GB/512GB/1TB HDD: 500GB/1TB

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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