

TAICENN

TPC-DRM170C

17.0" Baytrail J1900/J1800 Slim Resistive Touch Industrial Panel PC

Specification

Version 2.1

Key features:

- 17.0" 1280*1024, 5-wires resistive touch screen;
- Intel Baytrail J1900/J1800 processor;
- Impact, Slim & fan-less design, Finned heat sink;
- 2 * Intel GLAN, 2* COM, 4* USB, 1* HDMI;
- Operating temperature range, support 0°C~+50 °C
- **Front surface PET film laminated, true flat front panel;**
- **Optional** 10-points multi points projective capacitive touch.



Brief Introduction

TAICENN TPC-DRM170C series is a low power-consumption, Fan-less designed, enhanced stability and reliability industrial 17.0-inch Touch Panel PC product. It adapts Intel Baytrail J1900/J1800 processor. TPC-DRM170C 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.

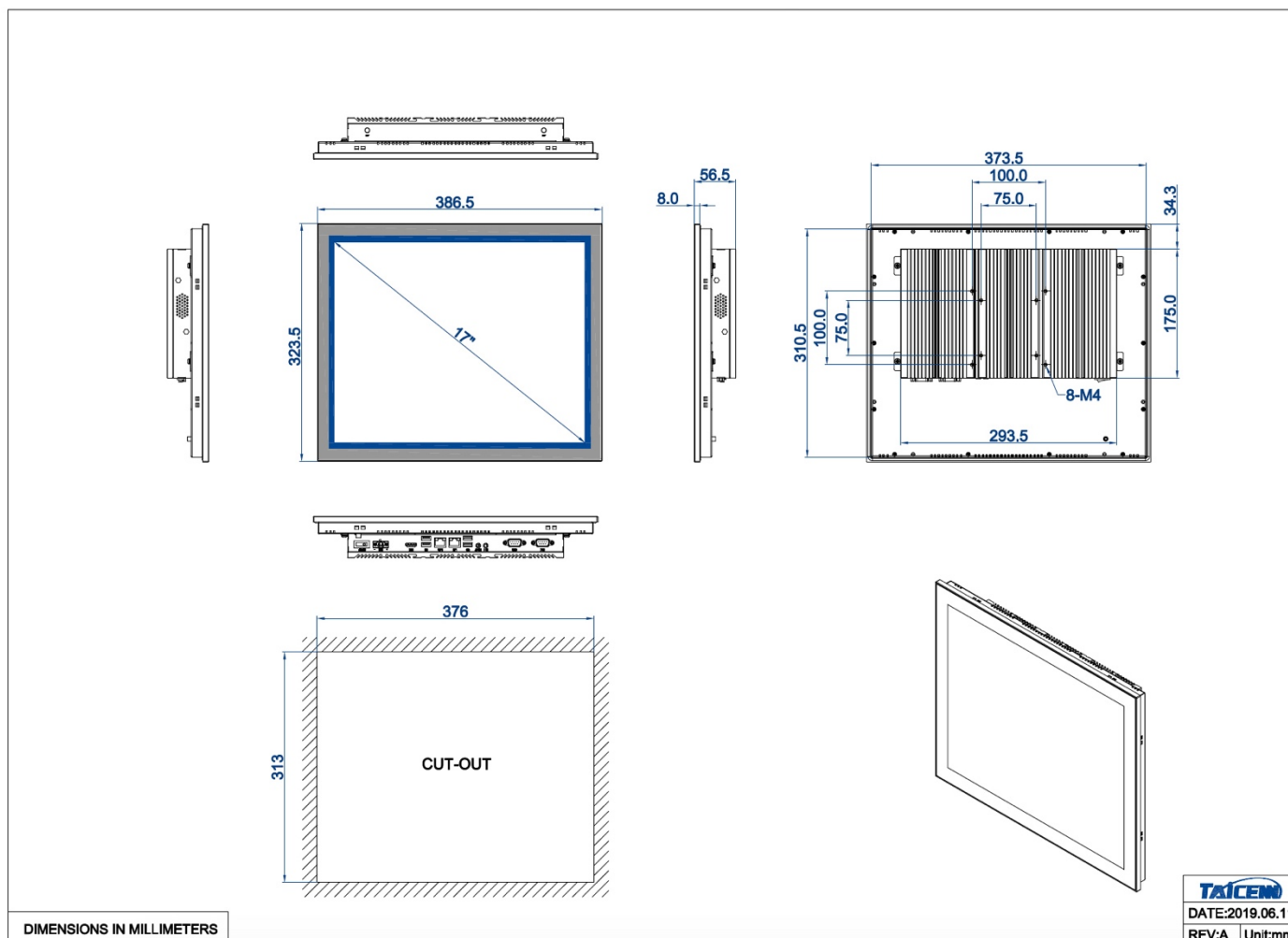
The TPC-DRM170C uses full-sealed box construction, and it can prevent dust from entering the device system, is compatible with Win7, Win8, Win embedded, WIN10, Linux OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

System		
BIOS	SPI AMI EFI BIOS	
CPU	Intel Baytrail J1900	Intel Baytrail J1800
CPU Ghz	Quad-core Four threads, 2.0Ghz, Burst to 2.42Ghz, TDP 10W	Dual-core Two threads, 2.41Ghz, Burst to 2.58Ghz, TDP 10W
Memory	DDR3L, Max. up to 8GB	
Storage	1* 2.5" SATA + 1* mSATA	
Display	Support 1*HDMI output	
Watch dog	Programmable 1~255 seconds	
System	Win 7, Win8, Win embedded, WIN10, Linux, Unix	
I/O		
Network	2* Intel I211AT	
USB	1* USB 3.0 + 3* USB 2.0	
COM	2* RS232 (Surge and electrostatic protection) Optional 1* RS485	
Audio	Realtek ACL 282 Audio controller	
Speaker	Optional 2x 2W	
Expansion	WIFI/3G/4G (1* Mini-PCIe slot)	
Others	1x 2 pins Phoenix terminal, power switch	
LCD		
Size/Type	17.0" TFT LCD	
Resolution	1280 * 1024	
Brightness	250 (cd/m ²)	
Brightness MTBF	WLED, 30 000 hours	
Display area	337.92 x 270.34	

Viewing angle	85/85/80/80 (Typ.)
Colors	16.2M
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 heat-sinks, fan-less design
IP rating	IP65 front panel
Mounting	Panel mount, VESA 75/100
Product Dimension	386.5 x 323.5 x 56.5 (mm)
Cut-out Dimension	376 x 313
Net weight	4.6 KG
Power and Environmental	
Voltage Input	DC 9~24V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 35W
Working temperature	0°C~+50 °C
Storage temperature	-20°C~+60 °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



Ordering Information

TPC-DRM170C1	17.0"/1280*1024/ Resistive Touch/ J1900/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 9~24V Adapter
TPC-DRM170C2	17.0"/1280*1024/ Resistive Touch/ J1800/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 9~24V Adapter
Memory	SO-DDR3L: 2G/4G/8G
Storage	SSD: 32GB/64GB/128GB/256GB/512GB/1TB
WiFi	IEEE 802.11n 150Mbps
3G/4G	All network 3G/4G Module
Speaker	2*2w speaker

Revision History

Date	Revision	Description
2018-01-03	V1.0	Initially release
2019-06-11	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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