

TAICENN

TPC-DC080C1E

8.0-inch Intel Celeron J1900 P-CAP touch VESA mounting **In-vehicle** Panel PC

Specification

Version 2.0

Key features:

- 8.0-inch Projective capacitive multi-point touch;
- Intel Baytrail Celeron quad-core 2.0Ghz J1900 processor;
- Impact, fan-less design, Finned heat sink;
- 2 * Intel GLAN, and 1* 2.5" SATA + 1* MSATA;
- Wide-temp range, support -20℃~+70 ℃ ;

Product Image



Brief Introduction

TAICENN TPC-DC080C1E model is a **customized** low power-consumption, Fan-less designed, rich I/O interface, enhanced stability and reliability industrial 8.0-inch Touch Panel PC product, specially designed for **In-vehicle** applications. It adapts Intel Baytrail Celeron J1900 processor. TPC-DC080C1E 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-DC080C1E uses full-sealed box construction, and it can prevent dust from entering the device system. In such a small limited dimension, TPC-DC080C1E model is designed with 2*Intel GLAN, 4*USB (1*USB3.0), 5*COM (1*RS422), the device is also optional with 3G/4G/LTE wireless expansion.

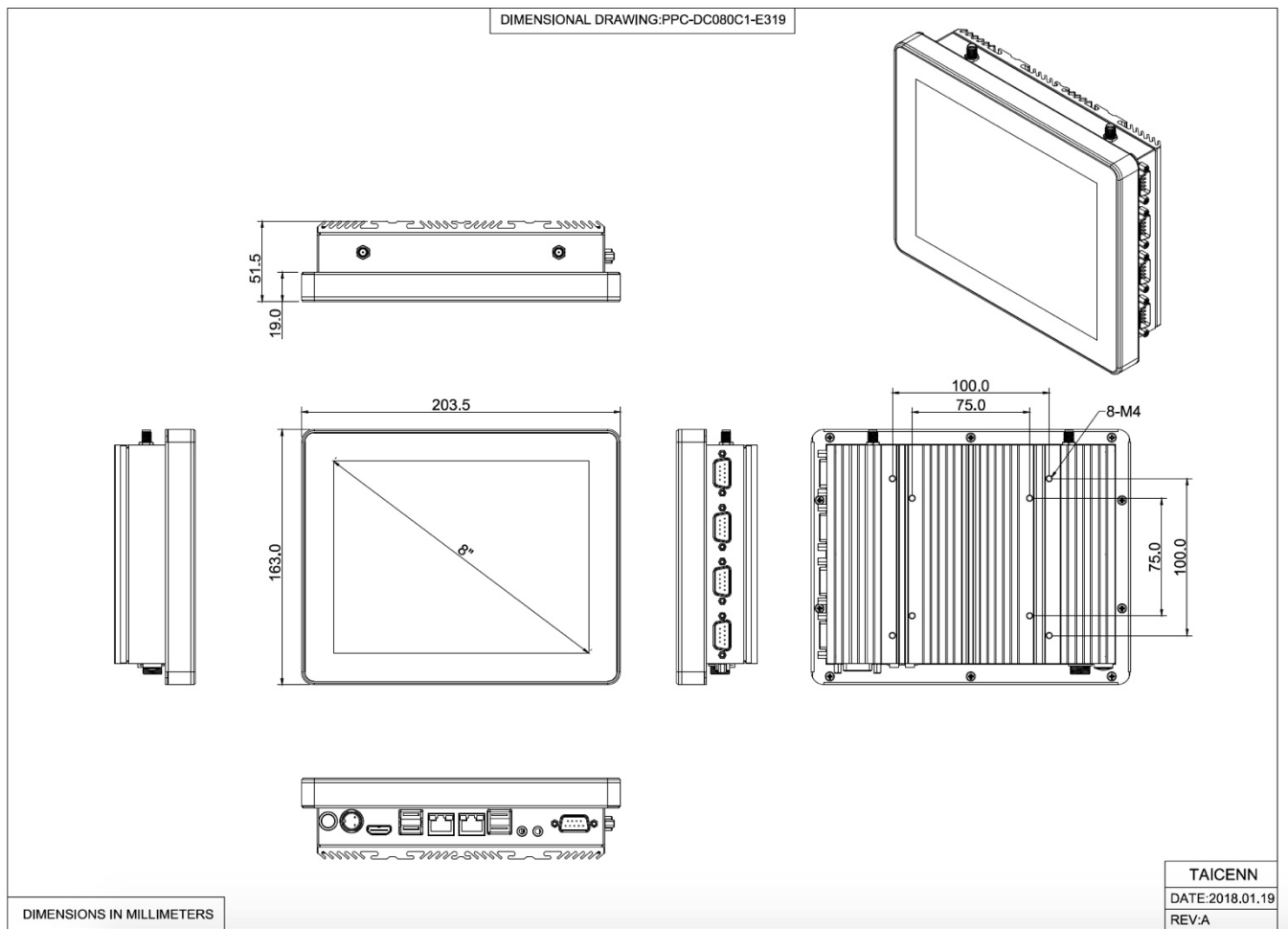
The TAICENN TPC-DC080C1E is compatible with Win7, Win8, Win10, Linux, Unix OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

Model Item	TPC-DC080C1E
System	
BIOS	SPI AMI EFI BIOS
CPU	Intel Baytrail J1900
CPU Ghz	Quad-core 2.0Ghz
Memory	SO-DIMM, DDR3L, Max. up to 8GB
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	3x USB 2.0 + 1x USB 3.0
COM	4x RS232 (Surge and electrostatic protection) 1x RS422
Audio	Line-In, Line-Out
Display	1*HDMI
LCD	
Size/Type	8.0" TFT LCD
Resolution	800 * 600 (XGA)
Brightness	400 (cd/m ²)
Brightness MTBF	WLED, 30 000 hours

Display area	162 x 121.5
Viewing angle	75/75/75/75 (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)
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	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)
Power Consumption	About 20 W
Working temperature	-20℃~+70 ℃
Storage temperature	-30℃~+80 ℃
Relative humidity	10~95%@10℃ (No condensation)
Vibration	50~500Hz,1.5G,0.15mm peak to peak
Shock	10G/peak (11ms sec)

Dimension



Ordering Information

TPC-DC080C1E	8.0", 800*600, Intel Baytrail J1900, 1*USB3.0+3*USB2.0, 5*COM (1*RS422), PCAP 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	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.*

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