

TPC-DC104C1E

Product Overview

Key features:

- 10.4" Projective capacitive multi-point touch
- Intel Baytrail J1900 Quad-core processor
- Extreme-compact, fan-less design, Finned heat sink
- 2 * Intel GLAN, 4* USB, 4* RS232, 1*RS422
- Wide-temp range, support -20°C~+70 °C
- Wide voltage design, support 9~36V



Brief Introduction

TAICENN TPC-DCXXXC1E series is a low power-consumption, Fan-less designed, extreme compact enhanced stability and reliability industrial Touch Panel PC product, specially designed for rugged **In-vehicle** applications. It adapts Intel Bay trail J1900 processor. TPC-DCXXXC1E 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, and it can fulfill front panel NEMA/IP65 dust-proof and water-proof standards. The TPC-DCXXXC1E is designed with 2*GLAN, 4*USB, 4*RS232, 1*RS422, 1*HDMI I/O ports, but in very compact and small dimension.

The TPC-DCXXXC1E uses full-sealed box construction, and it can prevent dust from entering the device system.

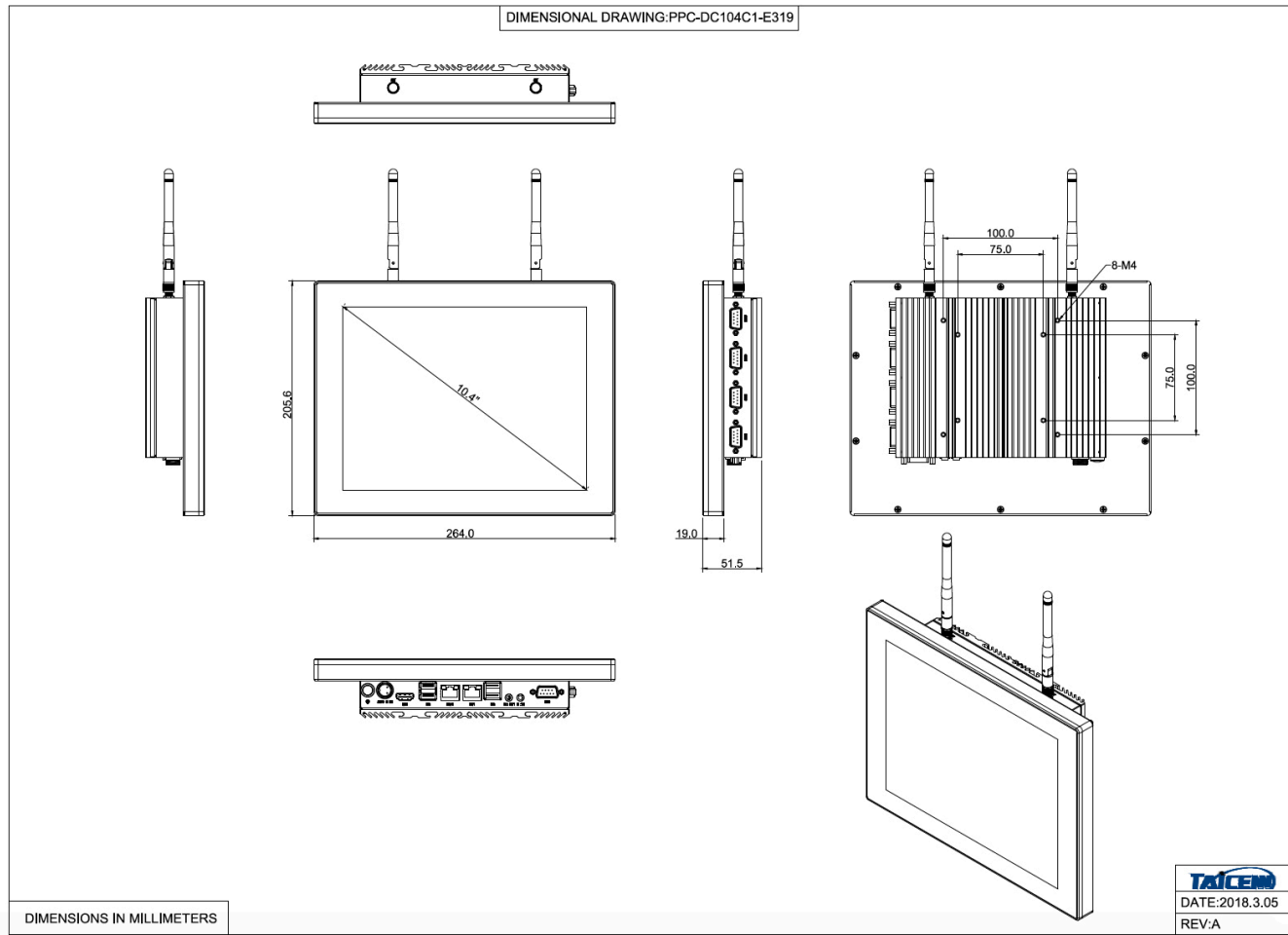
The TAICENN TPC-DCXXXC1E is compatible with Windows 7, Windows 7 Embedded, Windows8, Windows10, Linux OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

System	
CPU	Intel Baytrail J1900
CPU Ghz	Quad-core Four threads, 2.0Ghz
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	WIN7, Win7 embedded, WIN 8, WIN10, Linux
I/O	
Network	2* Intel I211AT
USB	3* USB 2.0 + 1* USB 3.0
COM	4* RS232+1*RS422 (Surge and electrostatic protection)
Audio	Realtek ACL 282 Audio controller
Expansion	WIFI/3G/4G
Others	DC IN, trigger button, Indicator light, antenna interface
LCD	
Size/Type	10.4" TFT LCD
Resolution	1024 * 768
Brightness	350 (cd/m ²)
Brightness MTBF	WLED, 20 000 hours
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
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
Product Dimension	264 x 205 x 51.5 (mm)
Net weight	3.5 KG
Power and Environmental	
Voltage Input	DC 9~36V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 20W
Working temperature	-20°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)

Dimension



Ordering Information

TPC-DC104C1E	10.4", 1024*768, Intel Baytrail J1900, 1*USB3.0+3*USB2.0, 5*COM, 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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