TAICENN

TPC-DCM150S

15.0″ Intel 6th-gen. Core i3/i5/i7 Slim Pcap touch Industrial Panel PC

Specification

Version 2.1

Key features:

- 15.0″ Projective capacitive multi-point touch;
- Intel 6th-generation Core i3/i5/i7 U series processor;
- Impact, Slim & fan-less design, Finned heat sink;
- 2 * Intel GLAN, 2* COM, 4* USB, 1* HDMI;
- Operating temperature range, support 0℃~+60 ℃
- Optional No-touch function, with Glass

Brief Introduction

TAICENN TPC-DCM150S series is a high computing, Fan-less designed, enhanced stability and reliability industrial 15.0-inch Touch Panel PC product. It adapts Intel 6th –gen Skylake Core i3/i5/i7 processor. TPC-DCM150S 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.

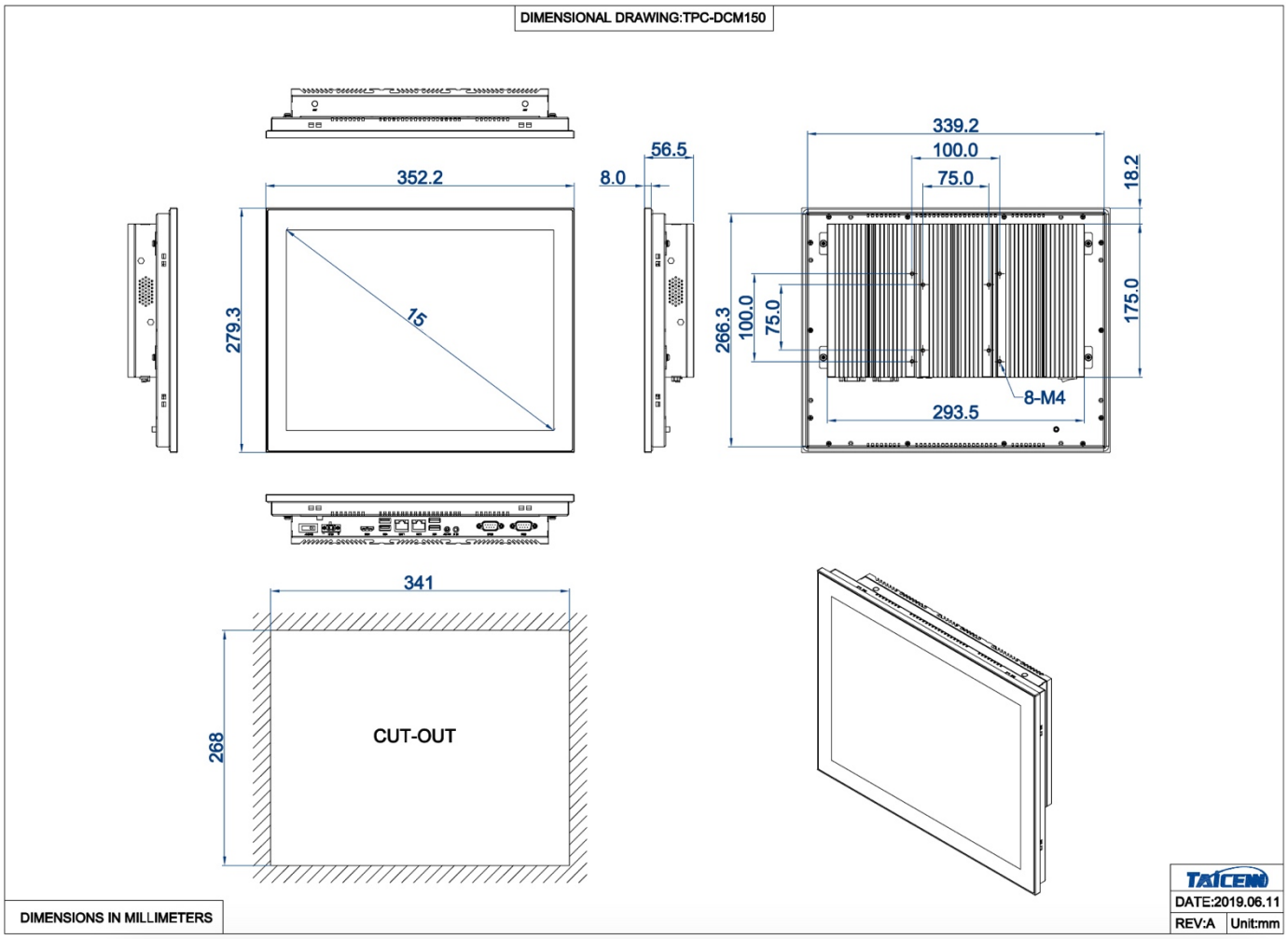
The TPC-DCM150S uses full-sealed box construction, and it can prevent dust from entering the device system, is compatible with Win7, Win8, Win Embedded, WIN10, Linux OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

System			
BIOS	SPI AMI EFI BIOS		
CPU	Intel 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		
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	3* USB 3.0 + 1* USB 2.0		
COM	2* RS232 (Surge and electrostatic protection) Optional 1* RS485		
Audio	Realtek ACL 269 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	15.0'' TFT LCD		
Resolution	1024 * 768		
Brightness	400 (cd/m^2)		
Brightness MTBF	WLED, 50 000 hours		
Display area	344.232 x 193.54		

Viewing angle	85/85/80/80 (Typ.)
Colors	16.2M
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 heat-sinks, fan-less design
IP rating	IP65 front panel
Mounting	Panel mount, VESA 75/100
Product Dimension	352.2 x 279.3 x 56.5 (mm)
Cut-out Dimension	341 x 268
Net weight	3.9 KG
Power and Environmental	
Voltage Input	DC 12~24V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 40W
Working temperature	0℃~+60 ℃
Storage temperature	-20℃~+70 ℃
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-DCM150S1	15.0''/1024*768/ P-cap. Touch/ Core i3-6100U/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 12~24V Adapter
TPC-DCM150S2	15.0''/1024*768/ P-cap. Touch/ Core i5-6200U/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 12~24V Adapter
TPC-DCM150S3	15.0''/1024*768/ P-cap. Touch/ Core i7-6500U/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 12~24V Adapter
Memory	SO-DDR4L: 4G/8G/16G
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.*

The information in this specification is subject to change without notice
All parts of TAICENN Technology documentation are protected by copyright law and all rights are reserved. This documentation may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable from without prior consent, in writing, from TAICENN Technology.