TAICENN

TPC-DCM156A

15.6″ widescreen Apollo lake J3455/J3355 Slim Pcap touch Industrial Panel PC

Specification

Version 2.1

Key features:

- 15.6″ Projective capacitive multi-point touch;
- Intel Apollo lake J3455/J3355 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-DCM156A series is a low power-consumption, Fan-less designed, enhanced stability and reliability industrial 15.6-inch Touch Panel PC product. It adapts Intel Apollo lake J3455/J3355 processor. TPC-DCM156A 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.

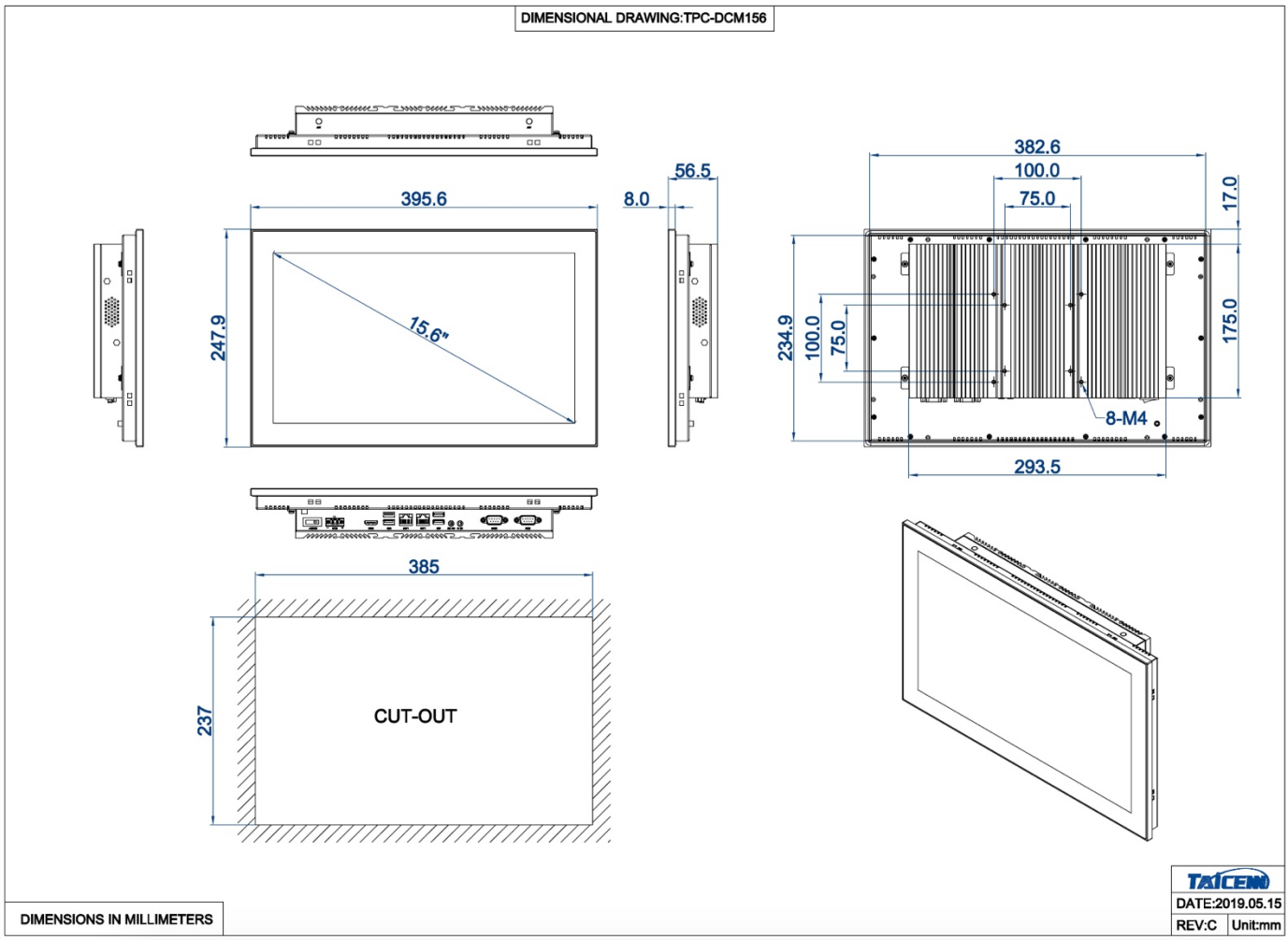
The TPC-DCM156A uses full-sealed box construction, and it can prevent dust from entering the device system, is compatible with WIN10, Linux OS, and it also has a good compatibility with customized applications and software programs.

Technical Data

System		
BIOS	SPI AMI EFI BIOS	
CPU	Intel Apollo lake J3455	Intel Apollo lake J3355
CPU Ghz	Quad-core 1.5 Ghz, Burst to 2.3Ghz, TDP 10w	Dual-cores, 2.0Ghz, Burst to 2.5Ghz, 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	WIN10, Linux, Unix	
I/O		
Network	2* Intel I211AT	
USB	4* USB 3.0	
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	15.6″ TFT LCD	
Resolution	1366 * 768	
Brightness	400 (cd/m^2)	
Brightness MTBF	WLED, 50 000 hours	
Display area	344.232 x 193.536	

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	395.6 x 247.9 x 56.5 (mm)
Cut-out Dimension	385 x 237
Net weight	4.2KG
Power and Environmental	
Voltage Input	DC 12V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	About 35W
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-DCM156A1	15.6''/1366*768/ P-cap. Touch/ J3455/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 12V Adapter
TPC-DCM156A2	15.6''/1366*768/ P-cap. Touch/ J3355/2*GLAN/ 2*RS232/ 4* USB/ 1*HDMI, DC 12V 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
2019-05-15	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.*