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TM-PCA156H Touch Monitor



TM-PCAxxx

Multiple Signal Inputs | Pcap. Touch Monitor

VGA + DVI + HDMI + DP

User Manual

Version 2.0

Last Update Date: 4th -Feb. 2026

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Thanks

Dear user, hello! Thank you very much for purchasing TAICENN modular designed & manufactured Industrial HMI Touch monitor products.

TAICENN, is a leading global provider and manufacturer of industrial panel PC, industrial display monitor and embedded box computer products, which are designed specifically for systems and applications that require excellent performance, high-level reliability and stability, long supply period and supports.

With a dedication to technology innovation, TAICENN provides our customers qualified products and timely technical support, that the clients can safely deploy with ease and confidence, increasing their ability to bring products to market quickly, and decreasing the maintenance costs without any business risk.

We provide you with this detailed product manual to better understand this TAICENN product and relative technical guidance.

Please read it carefully before installation and using, it will help you to better use this product. In the process of using this product, if you have any questions on technology, after-sales service and product quality, you can gain our flexible & rapid technical support immediately. We will provide you with sincere service.

Copyright and trademark

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Note:

Product failure or damage caused by the following factors is not covered by the free warranty:

- Damage caused by natural disasters (flood, fire, earthquake, lightning strike, typhoon, etc.), force majeure or accidental operation
- Disassemble, repair, or send the product to a non-TAICENN certified service point for inspection and maintenance
- The user arbitrarily or ask a third person to modify, repair, change the specifications and packaging, add or expand the failure and damage caused by accessories not sold, authorized or approved by the company's original factory.
- Problems and malfunctions caused by users installing software and improper settings.
- Problems and malfunctions caused by calculator viruses.
- The company's warranty identification sticker is torn or unrecognizable, and the warranty service card is altered or does not match the product.

The product names mentioned in the product manual are for identification purposes only, and these names may be registered trademarks or copyrights of other companies.

For the latest upgrade information of product specifications, please visit the official website of TAICENN or contact TAICENN support team directly.

Electrical safety

- 1) In order to avoid possible electric shock causing serious damage, please temporarily disconnect the computer power supply from the power socket;
- 2) When you want to add a hardware device to the system or remove a hardware device from the system, you must firstly connect the device's data cable, and then connect the power cable. If possible, unplug the computer's power cable before installing hardware devices.
- 3) When you want to connect or unplug any data cables from the mainboard, please make sure that all power cables have been unplugged in advance.
- 4) Before using an expansion card, we suggest you to seek professional engineer's assistance first. These devices may will interfere with the ground loop.
- 5) Please confirm that the voltage setting of the power supply has been adjusted to the voltage standard value in your country and region. If you are not sure about the voltage value in your region, then please ask the local staff of electric company nearby.
- 6) If the power supply is damaged, please do not try to repair it yourself. Please hand it over to professional engineers or dealers.

Operational safety

- 1) Before you install the accessories or add hardware devices, please be sure to read the relevant information provided in this manual.
- 2) Before using the product, please confirm that all cables and power cords have been properly connected. If you find any major defects, please contact your dealer as soon as possible.
- 3) To avoid short-circuit situations, please be sure to put away all unused screws, paper clips and other parts, and do not leave them on the mainboard or in the host computer.
- 4) Dust, humidity and drastic temperature changes will affect the life span of the touch monitor, so please avoid placing it in these places.
- 5) Do not place the industrial monitor in a place that is easy to shake.
- 6) If you plan to use DC 24v voltage input, and connect the power from the field, please make sure that you have confirmed **the positive and negative** anodes of the computer system. **It is very important!!!**
- 7) If you have any technical problems during the use of this product, please contact a certified or experienced technician.

Version Update:

Version	Description	Date
V1.0	First version; Draft version format	1 st -Jan. 2022
V2.0	New Product Series format;	11 th -Feb. 2024

1 Product Introduction

1.1 Product Description

TAICENN TM-PCAxix series is an enhanced stability and reliability industrial panel mounting P-cap. Touch monitor product. The design HMI monitor support from 15.0" to 23.8" dimensions, and uses a multi-point (10- points) projective capacitive touch screen, and it can fulfill front panel NEMA/IP66 dust-proof and water-proof standards, TM-PCAxix series Industrial monitor is modular designed, with rich signal inputs: 1*VGA, 1*DVI, 1*HDMI and 1*DP.

The TM-PCAxix series industrial monitor uses high-strength steel box structure, so that it can adapt to the harsh industrial site work environment, the most suitable for industrial automation, commercial automation, factory automation, machinery manufacturing, CNC equipment, textile equipment, communication networks, power automation and other industrial applications.

1.2 TM-PCAxix Name Decoder

Industrial Monitor TM-PCAxix Name decoder									
TM	PCA		215		H	L	W	S	
TAICENN Monitor	Series Type		Dimension		High Resolution	High Brightness	Wide Voltage	RS232 Interface communication	
	PC	Pcap.Touch VGA+ DVI	150	15"	H	L	W	S	
	PR	Resistive Touch DVI +DVI	156	15.6"					
	DPC	mini Pcap. Touch	170	17"					
	PCA	Pcap. VGA+DVI+HDMI+DP	185	18.5"					
	PRA	Resistive VGA+DVI+HDMI+DP	190	19"					
	RC/RM	19" Rack mount VGA+DVI	215	21.5"					
	RCA/RRA	19" Rack mount VGA+DVI+HDMI +DP	238	23.8"					
	PG/PGA	Glass, No touch	240	24"					
	RG/RGA	Glass, No touch	270	27"					
	DPCB	Mini Size Pcap. HDMI							

1.3 Key Features

- Full Inventory Dimensions: 15.0", 15.6", 17.0", 18.5", 19.0",21.5" and 23.8";
- Multi-points (max. up to 10 points) Pcap. Touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment;
- Multiple signal inputs,1* VGA, 1* DVI, 1* DP, 1* HDMI;
- Panel mount, support VESA 75/100 mount, front IP66 rate protection;
- DC 12V power input, optional with wide-voltage 9~36V;
- USB touch interface, optional RS232 touch interface;

1.4 Packing List

After you get this product packaging box, please check whether the standard accessories listed below are complete. If it is missing or damaged, please contact the dealer where you purchased the product or directly contact TAICENN after-sales service.

Description	Quantity
Standard TM-PCAxix series Industrial Monitor Product	1
60W PSU (Power supply)	1
Power cable & Plug	1
Certificate of Quality	1

Please be noted that: we **don't** provide the Driver CD Disc anymore by default, only if customers' PO have such requirement. In the process of using this product, if you have any questions on drivers, you can gain our flexible & rapid technical support immediately. We will provide you with sincere service.

2 Specification & Dimensions

2.1 Product Images



(**Note:** The above images are TM-PCA150 model for reference only, please refer to the actual product images)

2.2 Product Datasheets

2.2.1 TM-PCA150 Data-sheet (15.0" XGA)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	352.2 * 279.3* 51 (mm)
	Cut-out dimension	341 * 268 (mm)
	Net weight	3.1 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	15.0" TFT LCD Display
	Resolution	1024 * 768 (XGA)
	Brightness	350 nits
	Contrast ratio	900:1
	Backlit & Lifetime	LED backlit & 50 000 hours
	Display area	304.128 * 228.096
	View angle	80/80/80/80
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	-20 ~ + 70 (°C)
	Storage temp.	-30 ~ + 80 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

2.2.2 TM-PCA156 Data-sheet (15.6" WXGA)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	395.6 * 247.9* 51 (mm)
	Cut-out dimension	385 * 237 (mm)
	Net weight	3.6 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	15.6" TFT LCD Display
	Resolution	1366 * 768 (WXGA)
	Brightness	300 nits
	Contrast ratio	500:1
	Backlit & Lifetime	LED backlit & 50 000 hours
	Display area	344.23 * 193.54
	View angle	80/80/80/80
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	0 ~ + 60 (°C)
	Storage temp.	-20 ~ + 70 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

2.2.3 TM-PCA156H Data-sheet (15.6" FHD)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	395.6 * 247.9* 51 (mm)
	Cut-out dimension	385 * 237 (mm)
	Net weight	3.6 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	15.6" TFT LCD Display
	Resolution	1920 * 1080 (Full HD)
	Brightness	450 nits
	Contrast ratio	1000:1
	Backlit & Lifetime	LED backlit & 50 000 hours
	Display area	344.16 * 193.59
	View angle	85/85/85/85
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	-20 ~ + 60 (°C)
	Storage temp.	-30 ~ + 70 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

2.2.4 TM-PCA170 Data-sheet (17.0" SXGA)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	386.5 * 323.5* 51 (mm)
	Cut-out dimension	376 * 313 (mm)
	Net weight	4.1 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	17.0" TFT LCD Display
	Resolution	1280 * 1024 (SXGA)
	Brightness	250 nits
	Contrast ratio	1000:1
	Backlit & Lifetime	LED backlit & 30 000 hours
	Display area	337.92 * 270.34
	View angle	85/85/80/80
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	0 ~ + 50 (°C)
	Storage temp.	-20 ~ + 60 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

2.2.5 TM-PCA185 Data-sheet (18.5" WXGA)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	462.4 * 286.6* 51 (mm)
	Cut-out dimension	451 * 276 (mm)
	Net weight	4.6 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	18.5" TFT LCD Display
	Resolution	1366 * 768 (WXGA)
	Brightness	250 nits
	Contrast ratio	1000:1
	Backlit & Lifetime	LED backlit & 30 000 hours
	Display area	409.8 * 230.4
	View angle	85/85/80/80
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	0 ~ + 50 (°C)
	Storage temp.	-20 ~ + 60 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

2.2.6 TM-PCA185H Data-sheet (18.5" FHD)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	462.4 * 286.6* 51 (mm)
	Cut-out dimension	451 * 276 (mm)
	Net weight	4.6 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	18.5" TFT LCD Display
	Resolution	1920 * 1080 (Full HD)
	Brightness	350 nits
	Contrast ratio	1000:1
	Backlit & Lifetime	LED backlit & 50 000 hours
	Display area	409.8 * 230.4
	View angle	85/85/85/85
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	-20 ~ + 70 (°C)
	Storage temp.	-30 ~ + 80 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

2.2.7 TM-PCA190 Data-sheet (19.0" SXGA)

Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	422.3 * 353* 51 (mm)
	Cut-out dimension	411 * 342 (mm)
	Net weight	5.1 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	19.0" TFT LCD Display
	Resolution	1280 * 1024 (SXGA)
	Brightness	250 nits
	Contrast ratio	1000:1
	Backlit & Lifetime	LED backlit & 30 000 hours
	Display area	376.32 * 310.06
	View angle	89/89/89/89
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	0 ~ + 50 (°C)
	Storage temp.	-20 ~ + 60 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 20W
	EMC	CE/FCC/ROHS

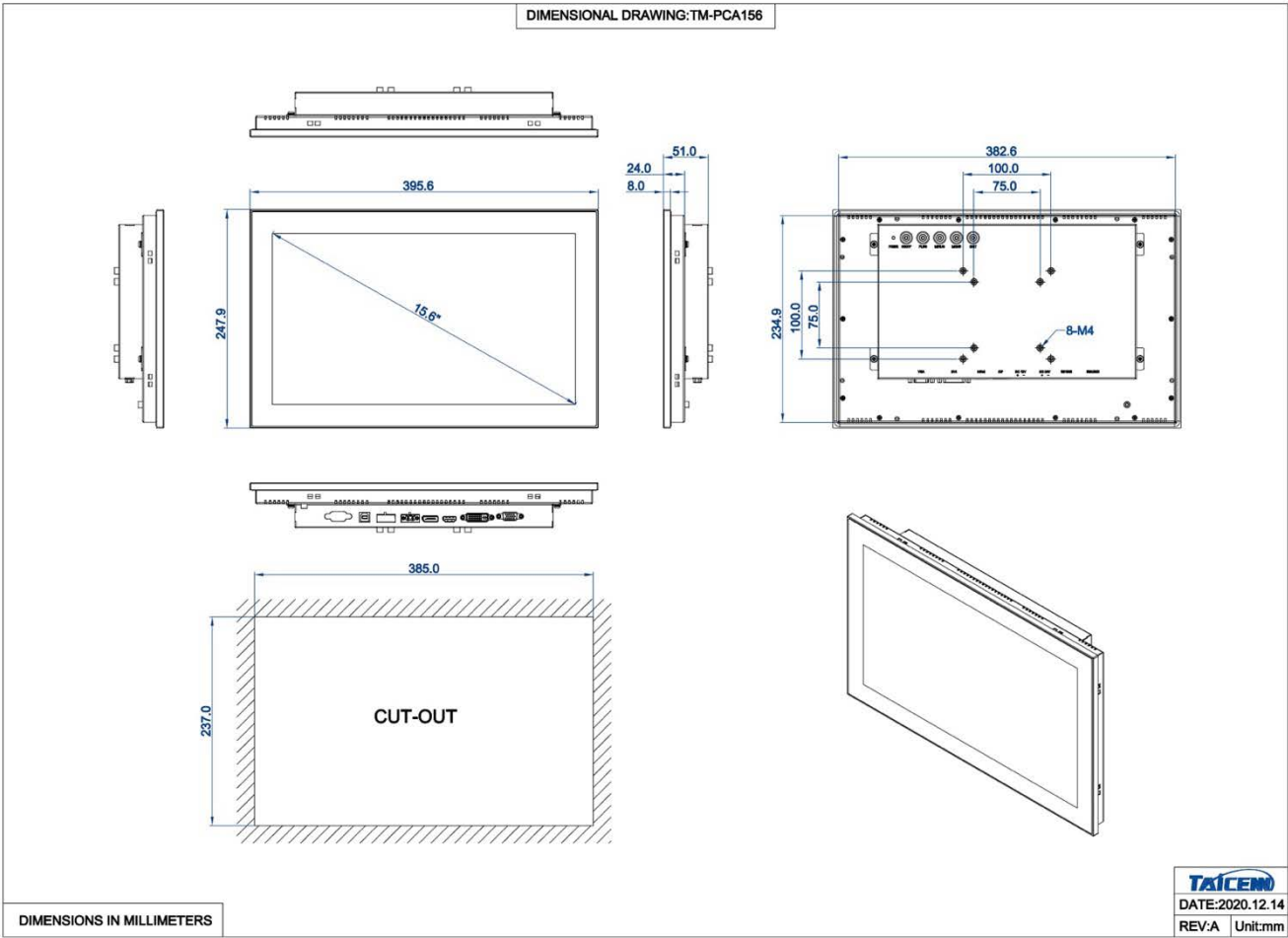
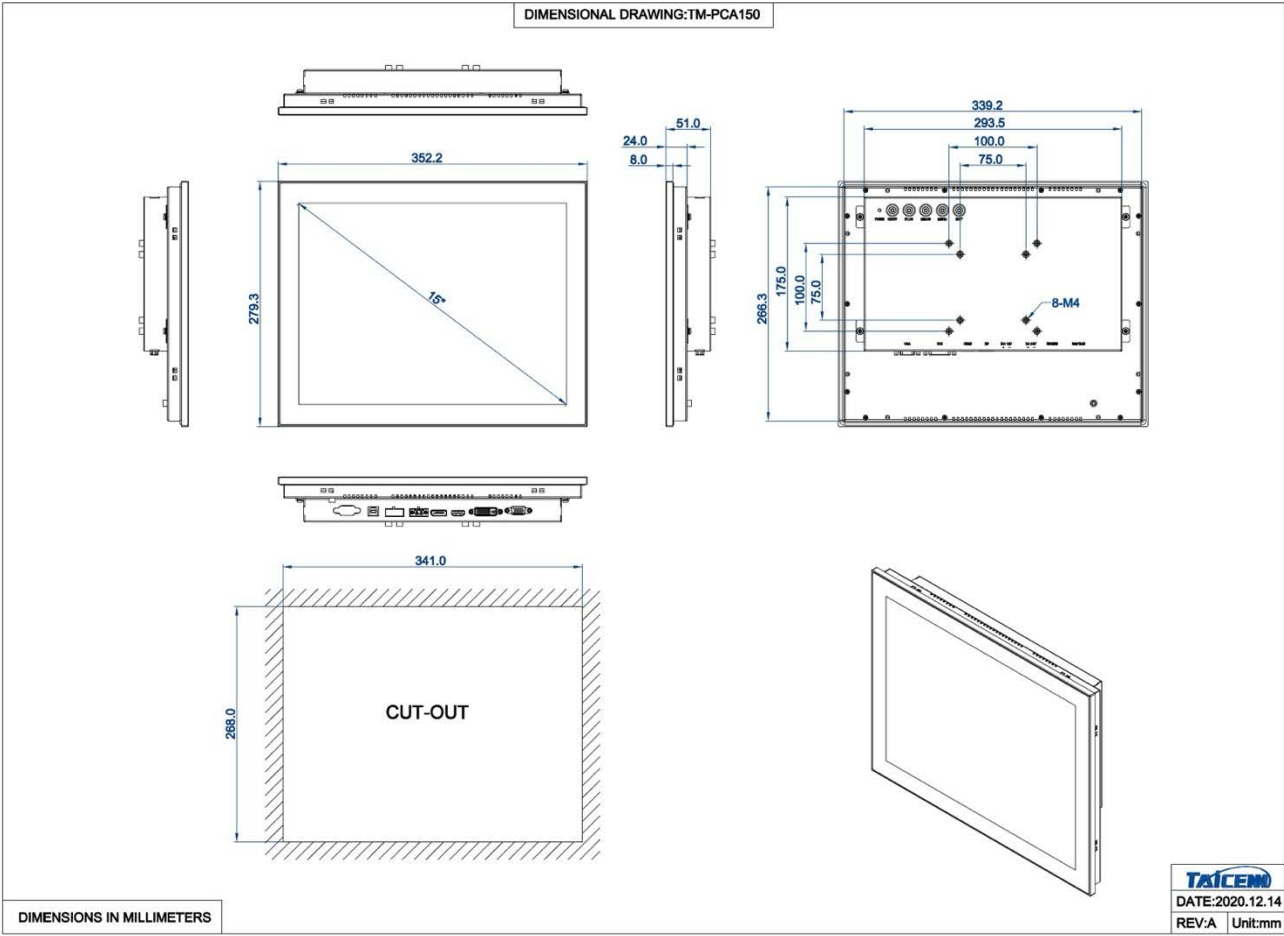
2.2.8 TM-PCA215 Data-sheet (21.5" FHD)

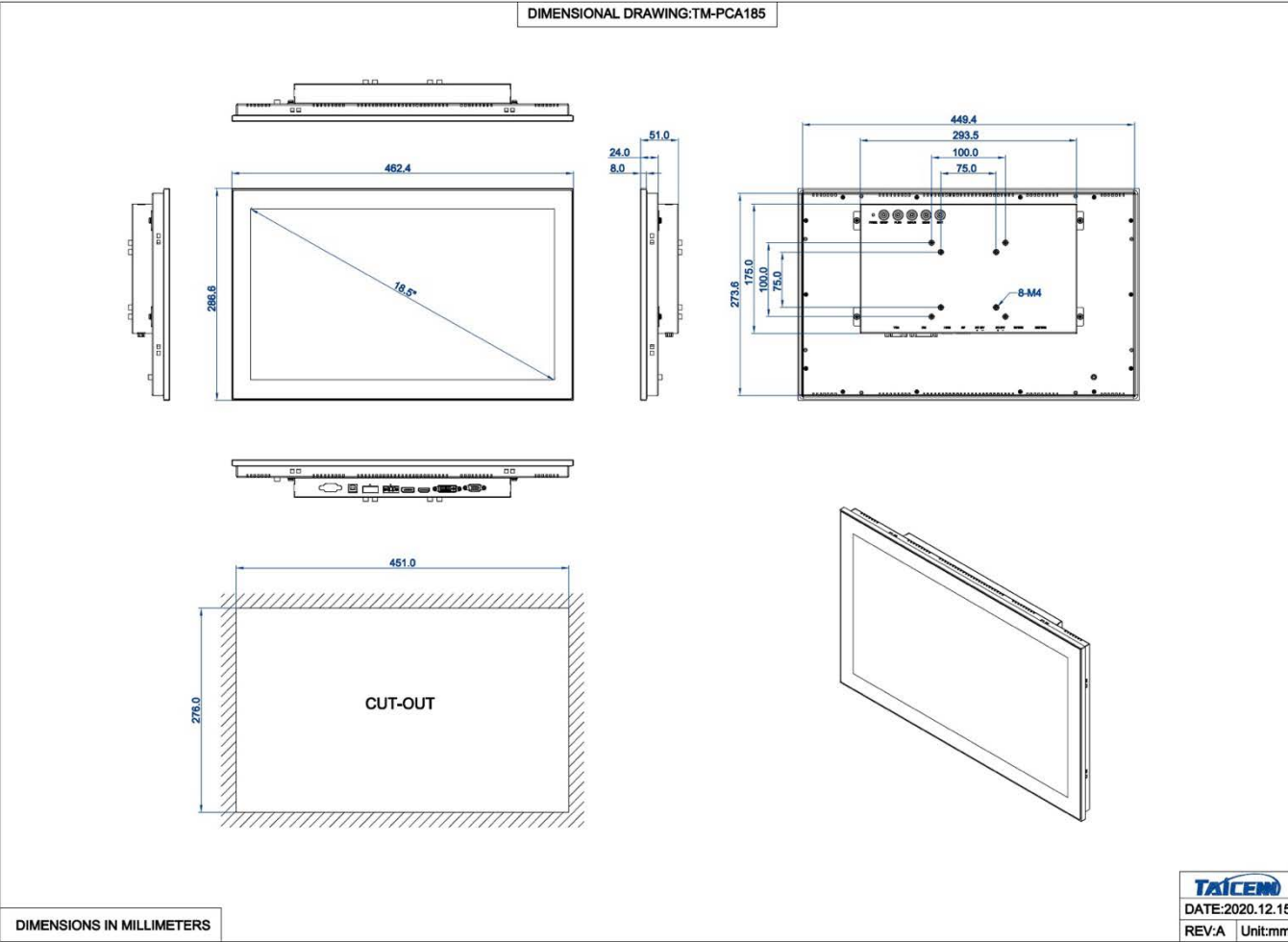
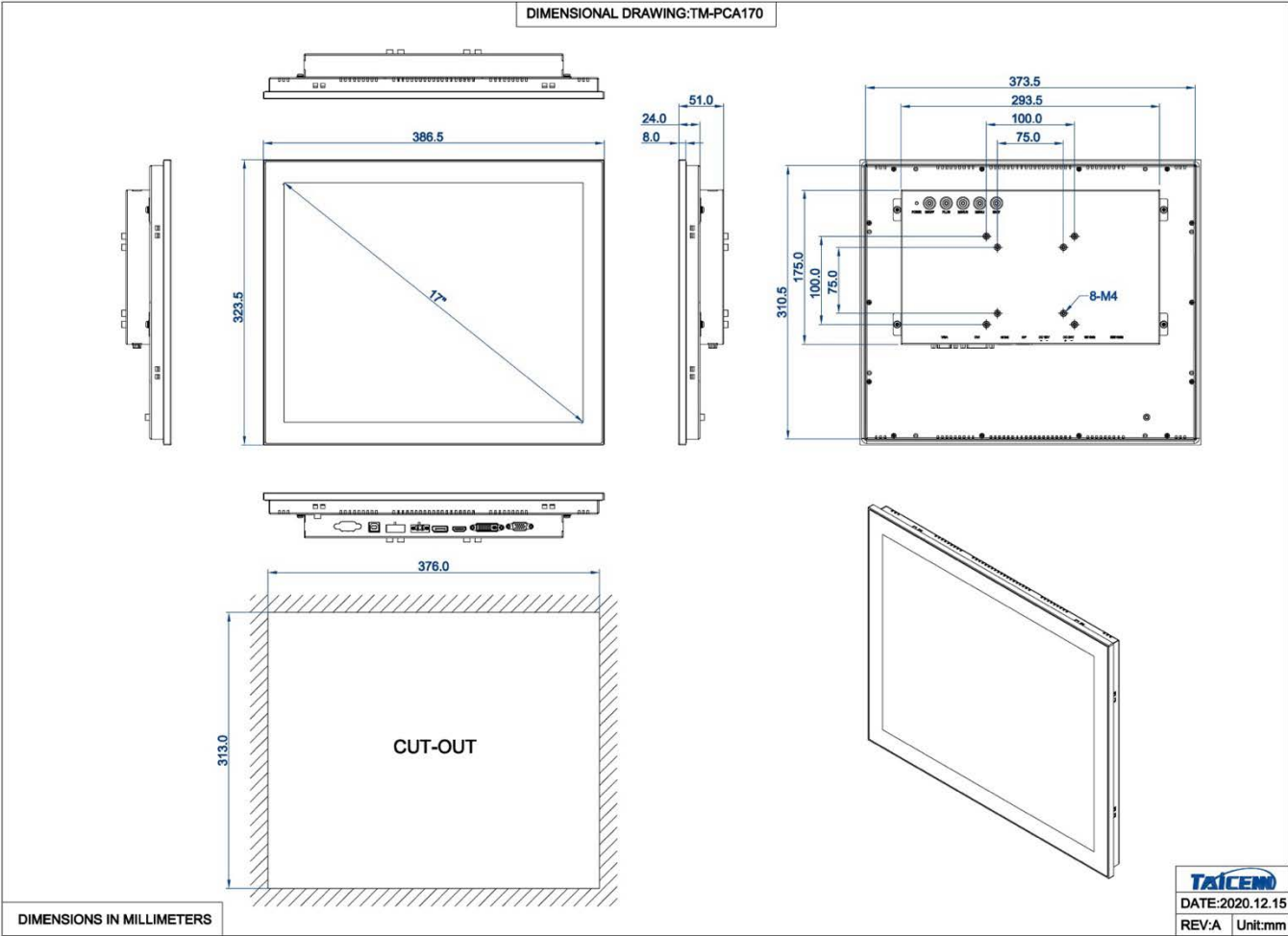
Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	527 * 318.7* 51 (mm)
	Cut-out dimension	516 * 308 (mm)
	Net weight	6.1 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	21.5" TFT LCD Display
	Resolution	1920 * 1080 (Full HD)
	Brightness	250 nits
	Contrast ratio	3000:1
	Backlit & Lifetime	LED backlit & 30 000 hours
	Display area	476.64 * 268.11
	View angle	89/89/89/89
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	0 ~ + 60 (°C)
	Storage temp.	-20 ~ + 70 (°C)
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 25W
	EMC	CE/FCC/ROHS

2.2.9 TM-PCA238 Data-sheet (23.8" FHD)

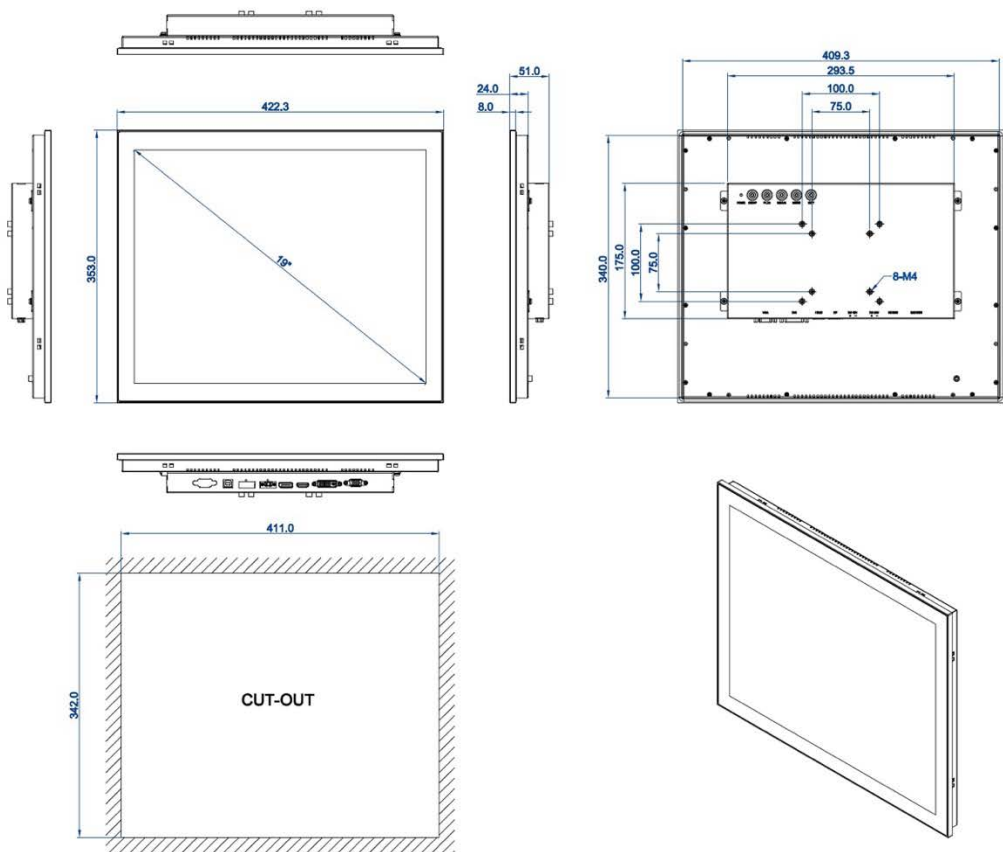
Basic	Front panel	Magnesium-Aluminum alloy, anodized treatment
	Rear panel	SGCC plate sheet, sand-blasting
	Control button	OSD button on rear panel
	Signal input	1* VGA, 1* DVI, 1* HDMI, 1* DP
	Mount method	Panel mount, support VESA 75/100 mount
	Overall dimension	578.4 * 347.9 * 51 (mm)
	Cut-out dimension	568 * 338 (mm)
	Net weight	7.2 KG
	IP rate	Front surface IP66
LCD Display	Size/Type	23.8" TFT LCD Display
	Resolution	1920 * 1080 (Full HD)
	Brightness	250 nits
	Contrast ratio	1000:1
	Backlit & Lifetime	LED backlit & 30 000 hours
	Display area	527.04 * 296.46
	View angle	85/89/89/89
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
	Touch controller	EETI
Power & Environmental	Operating temp.	0 ~ + 50 °C
	Storage temp.	-20 ~ + 70 °C
	Relative Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 30W
	EMC	CE/FCC/ROHS

2.3 Product Dimensions





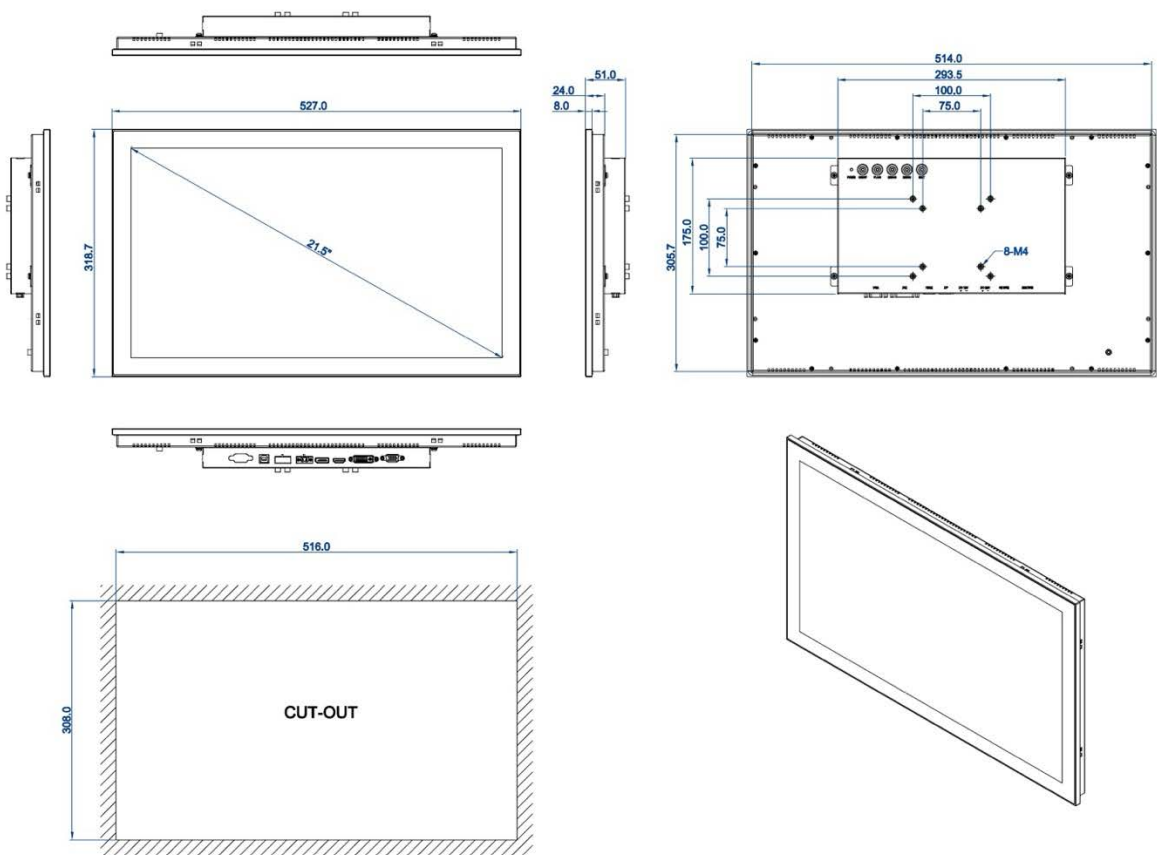
DIMENSIONAL DRAWING:TM-PCA190



DIMENSIONS IN MILLIMETERS

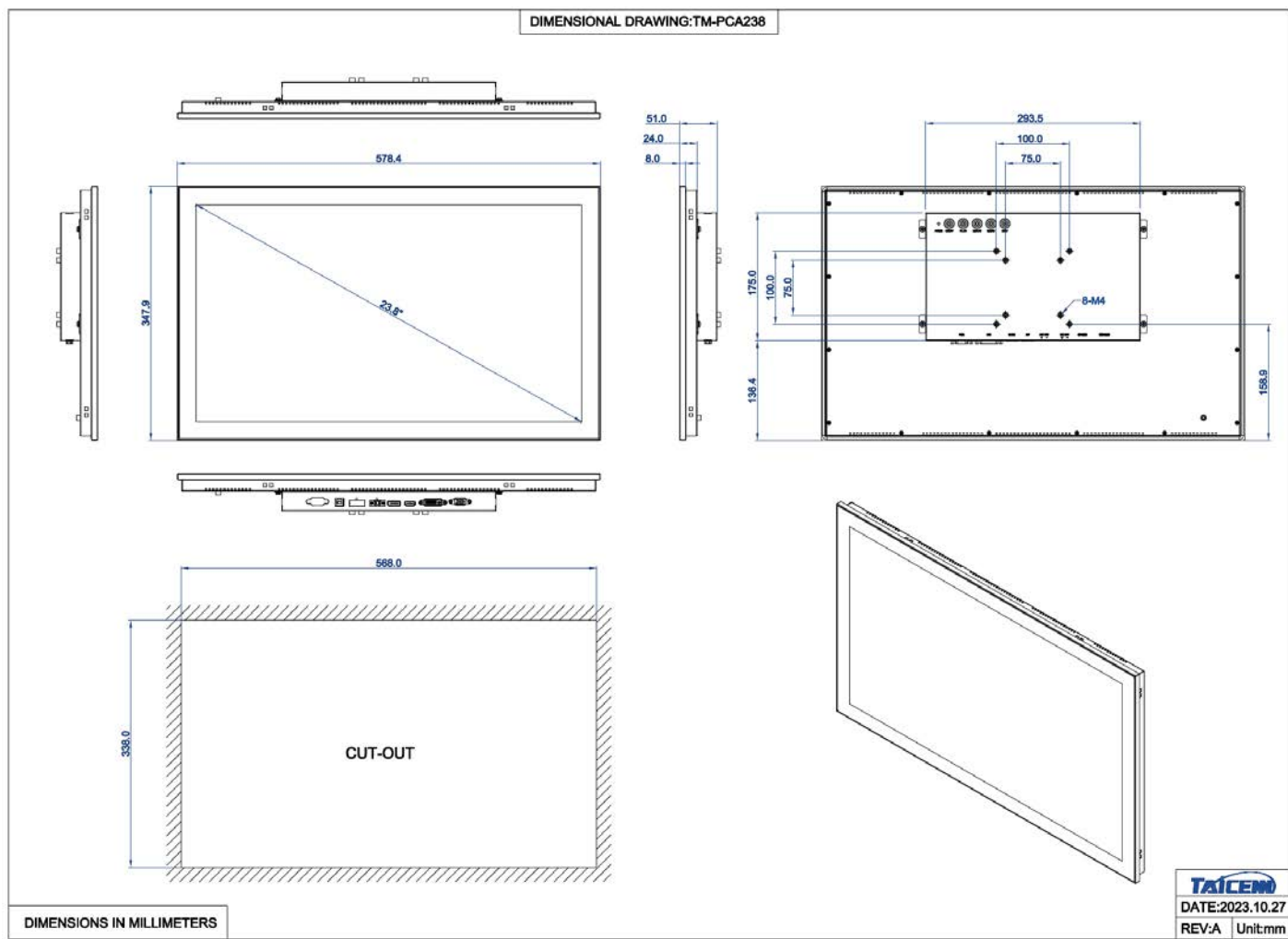
TAICENN
DATE:2020.12.15
REV:A Unit:mm

DIMENSIONAL DRAWING:TM-PCA215



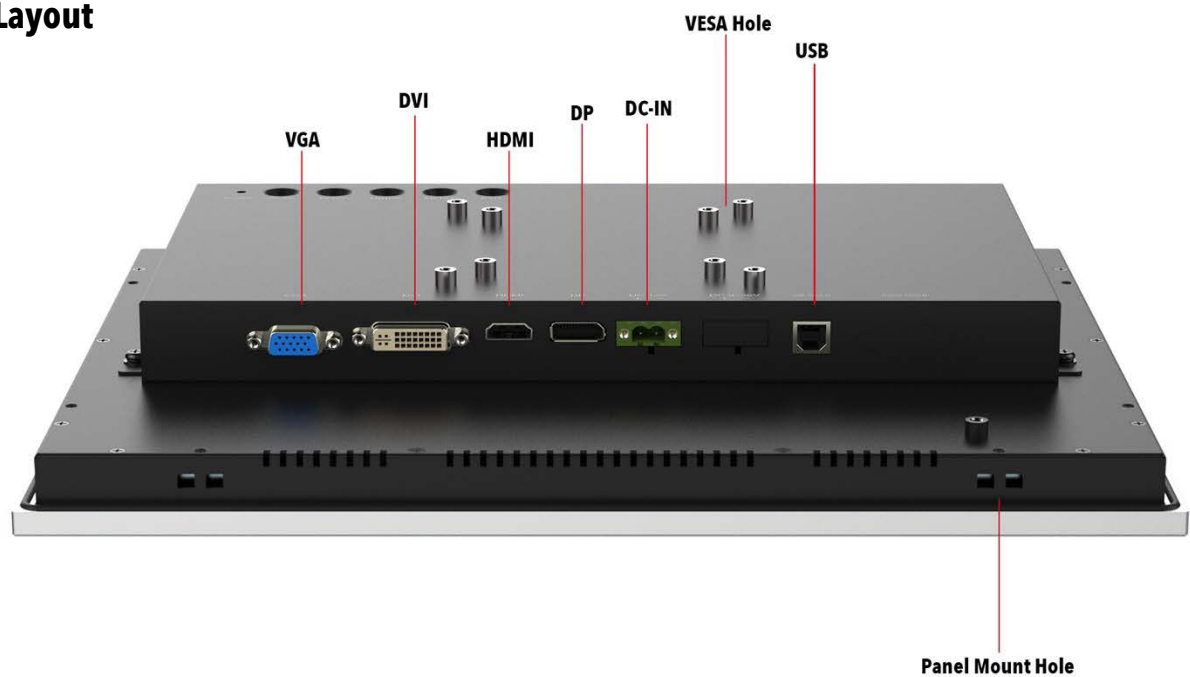
DIMENSIONS IN MILLIMETERS

TAICENN
DATE:2020.12.15
REV:A Unit:mm



3 IO Interface Definition

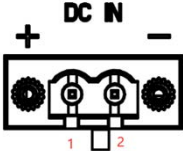
3.1 IO Layout



(Note: The above images are TM-PCA150 model for reference only, please refer to the actual product images)

3.2 IO Interface Definition

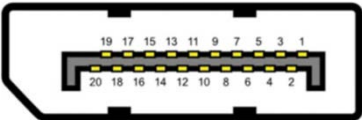
3.2.1 Power Input: DC terminal 12V

Pin #	Signal	
1	V+	
2	V-	

Note: TM-PCAxXXW optional support wide DC 9 to 36V range.

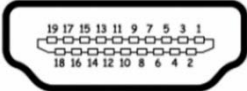
3.2.2 DP

Pin #	Signal	Pin #	Signal
1	ML_Lane 0(p)	11	GND
2	GND	12	ML_Lane 3(n)
3	ML_Lane 0(n)	13	GND
4	ML_Lane 1(p)	14	GND
5	GND	15	AUX_CH(p)
6	ML_Lane 1(n)	16	GND
7	ML_Lane 2(p)	17	AUX_CH(n)
8	GND	18	Hot Plug
9	ML_Lane 2(n)	19	DP_PWR_Return
10	ML_Lane 3(p)	20	Power6

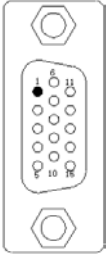


3.2.3 HDMI

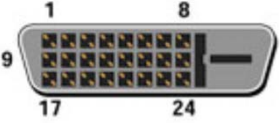
Pin #	Signal	Pin #	Signal
1	TMDS data 2+	11	TMDS clockGND
2	TMDS data 2GND	12	TMDS clock-
3	TMDS data 2-	13	CEC
4	TMDS data 1+	14	No connected
5	TMDS data 1GND	15	DDC clock
6	TMDS data 1-	16	DDC data
7	TMDS data 0+	17	Ground
8	TMDS data 0GND	18	+5V Power
9	TMDS data 0-	19	Hot plug detect
10	TMDS clock 0+		



3.2.4 VGA

Pin #	Signal		Pin #	Signal	
1	RED		9	5V	
2	GREEN		10	GND	
3	BLUE		11	NC	
4	NC		12	SDA	
5	GND		13	H-SYNC	
6	GND		14	V-SYNC	
7	GND		15	SCL	
8	GND				

3.2.5 DVI

Pin #	Signal	Pin #	Signal	Pin #	Signal	 DVI-D Receptacle Connector
1	T.M.D.S. Data 2-	9	T.M.D.S. Data 1-	17	T.M.D.S. Data 0-	
2	T.M.D.S. Data 2+	10	T.M.D.S. Data 1+	18	T.M.D.S. Data 0+	
3	T.M.D.S. Data 2/4 Shield	11	T.M.D.S. Data 1/3 Shield	19	T.M.D.S. Data 0/5 Shield	
4	T.M.D.S. Data 4-	12	T.M.D.S. Data 3-	20	T.M.D.S. Data 5-	
5	T.M.D.S. Data 4+	13	T.M.D.S. Data 3+	21	T.M.D.S. Data 5+	
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield	
7	DDC Data	15	Ground (for +5v)	23	T.M.D.S. Clock +	
8	No connect	16	Hot Plug Detect	24	T.M.D.S. Clock -	

3.2.5 USB

Pin #	Signal	Cable color	Description	
1	VCC	Red	+5V	
2	D-	White	Data -	
3	D+	Green	Data +	
4	GND	Black	Ground	

4 Mount Method

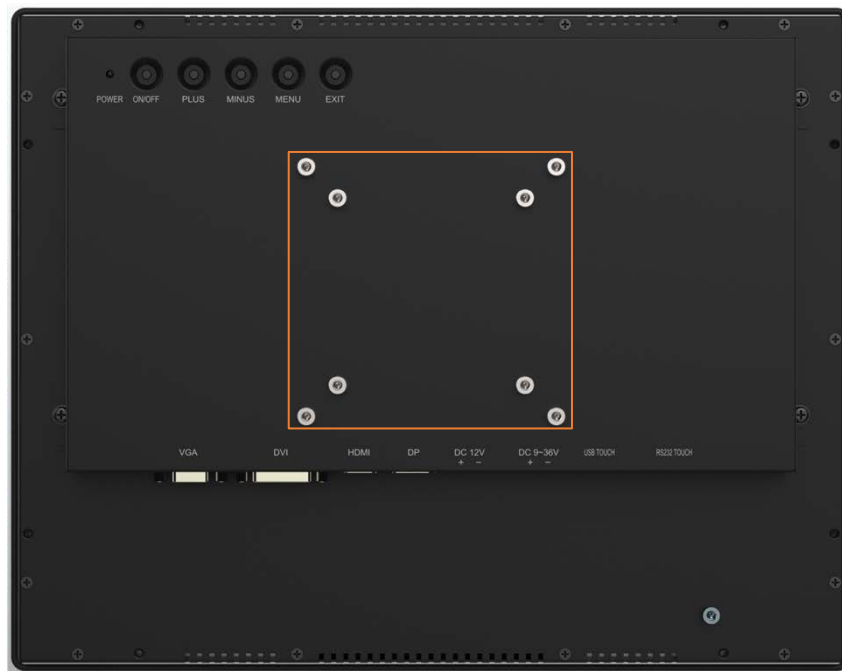
4.1 Panel Mount

1. Create the panel mount holes according to the CUT-OUT dimension (**Check the Product Model's Dimension**);
2. Insert the industrial monnitor to the enclosure (Cabinet) from the front side;
3. Align the clips with the panel mount holes of the industrial pc, tighten and fix it properly;
4. Confirm every clip will be tighten and fixed well.

Step 1  Confirm the cut-out dimension to suit the Panel mount machine.	Step 2  Insert the machine to the enclosure (Cabinet) from the front side.	Step 3  Confirm no dimension issue after insert the machine	Step 4  Get out the panel mount clips (Clamps) from accessory box in the carton. (17.0" and above size can use 8 clips.)
Step 5  Align the clips with the panel mount holes of the machine, tighten and fix it properly.	Step 6  See the picture, the right fix image.	Step 7  Every clip will be tighten and fixed well.	Step 8  Image of Panel mount installation.

Attention: The thickness of the panel should smaller than 5mm.

4.2 VESA mount



The industrial monitor TM-PCA150 model is designed with standard VESA 75/100 mount holes. Users can select standard VESA bracket to mount this industrial touch monitor.

5 OSD Button



- **MENU:** To call the main menu, confirm functions
- **EXIT:** When the main menu is called up, it is used for the blanking function; If there is no menu, it is used to quick switch the signal input.
- **PLUS:** + key function
- **MINUS:** - key function
- **ON/OFF:** Power button