

# 5th Gen A Ruggedized Industrial Monitor

The fuselage is made of aluminum alloy, with a strong structural layout and fan free totally enclosed design. It is specially designed for various complex environments to ensure long-term stable operation in harsh environments. It has 10.1 " - 21.5 " dimensions to choose from, supports embedded, wall mounted, desktop, cantilever and other installation methods, has low power consumption, good scalability, real-time, EMC compatibility and other performance, and is widely used in industrial control, military, communication, power and network automation fields.

## Features >>

- The appearance is independently molded, and the front panel has a narrow frame design, which makes the display wider.
- Strong structural design, stable vibration resistance, dust-proof and waterproof.
- Precise and sensitive touch, multiple touch modes are optional.
- It is suitable for dust, oil, water mist, strong electromagnetic, high-frequency vibration and other complex heavy industrial environments.
- Abundant interfaces, strong expandability, and automatic recognition of VGA+DVI+HDMI signals.
- Support diversified customization



10.1"~21.5" optional

## Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-M500	TPC101-M510	TPC101-M520	1280*800	16:10	300cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12 inch small back cover)
10.4"	TPC104-M500	TPC104-M510	TPC104-M520	1024*768	4:3	400cd/m <sup>2</sup>	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-M500	TPC116-M510	TPC116-M520	1920*1080	16:9	300cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-M500	TPC120-M510	TPC120-M520	1024*768	4:3	500cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-M500	TPC150-M510	TPC150-M520	1024*768	4:3	300cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)	 (15-21.5 inch large back cover)
15.6"	TPC156-M500	TPC156-M510	TPC156-M520	1920*1080	16:9	300cd/m <sup>2</sup>	800:1	85/85/85/85 (L/R/U/D)	
17"	TPC170-M500	TPC170-M510	TPC170-M520	1280*1024	5:4	300cd/m <sup>2</sup>	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-M500	TPC173-M510	TPC173-M520	1920*1080	16:9	300cd/m <sup>2</sup>	600:1	80/80/60/80 (L/R/U/D)	
19"	TPC190-M500	TPC190-M510	TPC190-M520	1280*1024	5:4	300cd/m <sup>2</sup>	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-M500	TPC191-M510	TPC191-M520	1440*900	16:10	300cd/m <sup>2</sup>	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-M500	TPC215-M510	TPC215-M520	1920*1080	16:9	300cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)	

## Product Installation >>



## Product Specifications >>

### Hardware Configuration

CPU	RTD2513/RTD2556
Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Menu language	Multi language (default English)
Video input	PC-RGB:Format,Up to 1920*1080@60HZ
	PC-RGB:Color,16bit, 24bit, 32bit

### Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

### Reliability parameters

working temperature	- 10 ° C~60 ° C
Storage temperature	- 20 ° C~70 ° C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof	Front panel reaches IP65 protection level

### Other parameters

Power input	12V-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

### I/O Interface

Power interface 1	1*Industrial terminal, Support 12V-36V wide voltage power supply
Power interface 2	1*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI , high-definition audio digital signal transmission, support HDMI data input, maximum support 1080P
VGA	1*VGA , Analog signal transmission, supporting the best resolution of VGA
DVI	1*DVI , digital signal transmission, supporting the best resolution of DVI digital signal
TOUCH	1*TOUCH, RJ45 interface standard (defined as USB), can be connected with capacitance/resistance touch
AUDIO	1*AUDIO I/O, supporting audio input and output; Headphone stand: 3.5mm standard interface
GND	Support(1*GND)

## Interface Distribution >>



Only the 15 inch interface is displayed. Please refer to the actual object for details.