MES Series

gptecno
Industrial Automation

Windows Panel PCs

Adopt aluminum alloy flat panel, fanless and fully enclosed integrated design, fashionable appearance, simple technology, independent research and development of ARM industrial motherboard, high cost performance, with 10.1 " / 11.6" 15.6 " / 21.5" four sizes, which can be selected, specially developed for MES system, to meet the functions of SOP, workshop viewing, task browsing, equipment management, defect registration, abnormal alarm, etc., widely used in industrial control, military industry, communication, power, network Retail and other automation fields, intelligent express cabinets, self-service vending machines, self-service lockers and other intelligent scenarios.

Features »

- 10.1 "/ 11.6"/ 15.6 "/ 21.5" four sizes are available.
- Independent mold opening, fashionable and simple appearance.
- Self-developed ARM architecture motherboard with high cost performance.
- Built-in 100W camera, 13.56M card reader and RGB tri-color light.
- API reference code is provided to support customization of SDK secondary development.
- Support desktop, wall-mounted, cantilever, boom and other installation methods.
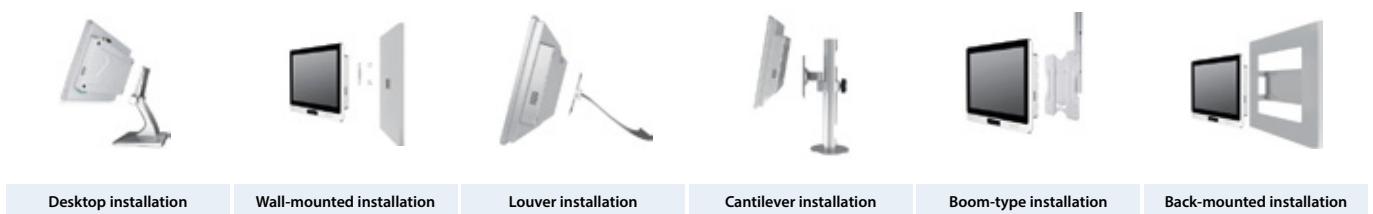
CPU	100W camera	IC card reader	IP65 waterproof	LED indicator	Windows10
Core i3-i5-i7					

100W camera

IC card reader

ISO FC CE CC **RoHS**

10.1" / 11.6" / 15.6" / 21.5"

Product Model »

Product size	10.1"	11.6"	15.6"	21.5"
Product model	GPC-MES-101	GPC-MES-116	GPC-MES-156	GPC-MES-215
Resolution	800 x 1280	1920 × 1080	1920 x 1080	1920 x 1080
Screen Scale	16:10	16:9	16:9	16:9
Brightness	300cd/m²	300cd/m²	300cd/m²	300cd/m2
Contrast ratio	1000:1	1000:1	800:1	1000:1
Viewing Angle	85/85/85/85 (L/R/U/D)	85/85/85/85 (L/R/U/D)	85/85/85/85 (L/R/U/D)	85/85/85/85 (L/R/U/D)
Back Cover Style				

Product Installation »

Desktop installation	Wall-mounted installation	Louver installation	Cantilever installation	Boom-type installation	Back-mounted installation

MES Series

Product Specifications »

Hardware Configuration

CPU	Intel® Celeron® J4125; Intel® CORE®: i3-6100U; i3-8145U; i3-10110U - i5-6200U; i5-8265U; i5-10210U - i7-6500U; i7-8565U; i7-10510U
Integrated graphics	Intel® UHD Graphics 600 (J4125); Intel HD Graphics 520 (6th gen.); Intel UHD Graphics 620 (8th, 10th gen.)
RAM	4G DDR4 - Optional 8G (J4125); 4G DDR4 - Optional 8/16/32G (6th, 8th gen.); 8G DDR4 - Optional 16/32/64G (10th gen.)
Storage	128G SSD (Optional 256/512G)
System	Windows 7/10/11, Linux, Ubuntu
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT4.2
Camera	100W
LED indicator	Red/green/blue (combination)
Card reader	13.56MHz, IC card reader (ISO14443-A, ISO14443-B)

Touch parameters

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

Reliability parameters

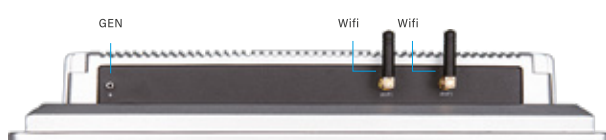|	
working temperature	Operating temperature: - 10 ° C~60 ° C, storage temperature: - 20 ° C~70 ° C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification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

Other parameters

Power input	DC 12V ~ 36V
Static power	18W
Fuselage Properties	Body material: aluminum alloy
warranty policy	One year free, extendable to 2 or 3 years on request
Installation method	Support desktop, wall mounted, louver, cantilever, boom, back mounted and other installation methods

I/O Interface

Power interface 1	1x Industrial terminal, support data transmission and power supply functions
Power interface 2	1x DC 2.5, support 12 ~ 36V power input
HDMI	1x HDMI, support HDMI data output, maximum support 4K
USB	2x USB 3.0, 2x USB 2.0
LAN	2x LAN, 10M/100M/1000M adaptive Ethernet
HDMI	1x HDMI, support HDMI data output, maximum support 4K
VGA	1x VGA
AUDIO	1x Audio I/O, support audio input and output, headphone stand: 3.5mm standard interface
COM	2x COM (Default RS232)
WIFI antenna	2x WIFI antenna

Interface Distribution »

Only the 15.6 inch interface is displayed. Please refer to the actual object for details.