

# MES Series

## Android Workstation

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 >

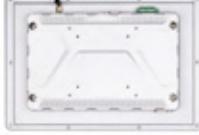
- Stylish and simple appearance, Independent mold opening
- High precision die-casting aluminum molding, Efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- Comply with EMC anti-electromagnetic interference standard
- Industrial-grade protection, Suitable for various environments
- Provide SDK package and support secondary development
- Built-in 100W camera, 13.56M card reader and RGB tri-color light



ISO FC CE CCC RoHS 40 °C

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-A	GPC-MES-116-A	GPC-MES-156-A	GPC-MES-215-A
Resolution	800*1280	1366*768	1920*1080	1920*1080
Screen Scale	16:10	16:9	16:9	16:9
Brightness	300cd/m <sup>2</sup>	300cd/m <sup>2</sup>	300cd/m <sup>2</sup>	250cd/m <sup>2</sup>
Contrast ratio	1000:1	1000:1	800:1	1000:1
Viewing Angle	75/75/70/75 (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				

### Product Installation >



Desktop installation

Wall-mounted installation

Louver installation

Cantilever installation

Boom type installation

Back-mounted installation

## Product Specifications >

### Hardware Configuration

CPU	RK3288, quad core, 1.8GHz
GPU	Mali-T764
RAM	2G DDR3 (Optional 4G/8G )
Storage	16G eMMC (Optional 32G/64G)
System	Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0/linux4.4+QT
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT4.2
Camera	100W
Card reader	13.56MHz, IC card reader (ISO14443-A, ISO14443-B)
LED indicator	Red/green/blue (combination)

### 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%

### Environmental

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	12V power input
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 2.1, support 12V power input
HDMI	1x HDMI, support HDMI data output, maximum support 4K
USB	1x USB HOST, 1x USB OTG
RJ45	1x RJ45, 10M/100M/1000M adaptive Ethernet
TF	Support TF expansion card (1x TF card slot)
SIM	Support SIM card (1x SIM card slot)
AUDIO	1x SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
UBOOT	Support (1x UBOOT)
COM	2x COM (default RS232)
WIFI antenna	1x WiFi antenna

## Interface Distribution >



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