



10.1 inch Capacitive Touch Multifunctional All in one PC

(Model:GD101E)



Version V1.5

We apologize that if something changed without notice.



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1. Introduction

Multifunctional all-in-one machine adopts the latest projected capacitive touch screen, which is the most convenient, simple and practical human-computer interaction equipment, it collects touch control, computer, face recognition, audio, network, industrial modeling art, machinery manufacturing technology, streamline integrated design, etc., which can achieve pure flat product structure, plus with excellent performance experience effect, truly simple and practical human-computer interaction function.

The multifunctional machine has been widely used in a variety of occasions, including shopping malls, supermarkets, restaurants, car showrooms, brand franchises, hotel lobbies, expositions, industrial parks, banks, government units, etc.

1.1 Functional Features

1. Powerful compatible, rich interfaces, customizable Com ports, USB and compatible with most industrial control configuration software
2. Flexible embedded various devices (camera, ID card, 4G module, card swipe, fingerprint recognition, QR code, small ticket printer, etc.)
3. Pure flat capacitive panel, supports OEM: colour, silkscreen LOGO, text, etc.
4. 10-point touch, sensitive: high sensing accuracy, fast response, surface can be glossy or matte treatment, support more refined industrial operation, touch no blind spots.
5. Faster running and more reliable storage: 50% faster running speed with high speed memory + solid state drive, high quality chips from big brands, high life expectancy.
6. 3D cooling structure: Multi-hole new 3D cooling design, better cooling effect.
7. HD display: 10.1" LCD screen, using LED backlight, low power consumption, clear, natural and transparent display colors.



8. Strict quality control: the whole machine has undergone 48 hours aging, electrostatic detection, vibration, high voltage, display and other multi-test. Voltage/electronic load test, voltage withstand test, touch/calibration test, controlled high temperature test, constant temperature and humidity test, controlled drop test.
9. Easy installation: support wall mounted/ desktop / embedded and other installation methods.

2. Technical Parameters

2.1 System			
Output (Android/X86 PC)	Android: HDMI output inside, X86:HDMI output or VGA		
Touch	PCAP,10 points touch		
Display	FHD HDMI		
Video Decoding	MPEG4(DivX)、MPEG4(Xvid)、AVC(H.264)、HEVC(H.265) etc		
Structural design	Alloy aluminum frame,metal sheet design, round corner		
System Integration	PC Display ,touch, button switch		
2.2 LCD Panel			
Screen Type	A-Si,TFT-LCD, back-light, A-type		
Size	10.1 inch (16:10)		
Display area	218 (W) * 136.5 (H) mm		
Resolution	Default 1280*800 (1920*1200 options)		
Brightness	≥ 250 cd/m2		
Contrast ratio	≥1000:1		
Response time	15/10(Typ.)(Tr/Td) ms		
Number of colors	16.7M(EDP 30 Pins or MIPI 31 Pins)		
Refresh rate	60Hz		
Viewing angle	85/85/85/85 (Typ.) CR≥10) left/right/up/down		
Life time	15000 hours		
2.3 Touch Panel			
Touch technology	Projected capacitive technology (capacitive touchscreen)		
Response time	<5ms		
Touch points	10 points standard, zoom in/ zoom out options		
Touch effective recognition	>1.5mm	Touch data output method	Coordinate output



Scanning Frequency	200Hz	Scanning accuracy	4096×4096
Communications	USB 2.0,3.0	Theoretical Clicks	50 Millions
Firmware	Upgraded by USB	Driver	NO
Working Current/Voltage	180Ma/DC+5V±5%		
Surface Hardness	Chemically tempered, Mohs class 7 explosion-proof glass		
OS	Win 7/ Win 8/Win 10/CE/Mac/Android/Linux /XP		
2.4 Power supply parameters			
Input Power	110-240V AC 50/60Hz		
Output power	DC 12V 5A		
Consumption for Touch PC	<60W		
Consumption for Touch Android	<36W		
Standby power consumption	<0.5W	Speaker	8Ω3w
2.5 Working environment			
Operating temperature	0°C-50°C		
Working humidity	10% - 80% Relative humidity		
Storage temperature	-5°C-60°C		
Storage humidity	10% - 70%		
Altitude	Under 5000 meters		

2.6 CPU

Project	Touchscreen Monitor	Android	X86 Elite Version	X86 Top Version	Custom Design
Chip	Same as display parameters	Quad-core RK3288 Quad-core RK3568 Heta-core RK3399	Default: Intel N5095/N5105 /J1900	Industrial grade I5	YES
Ram		2G/4G	2G/4G/8G/16G		
Hard Disk		8G/16G/32G options	SSD:32G/64G/128G/256G/512G		
Graphics		Android HD	Core Graphics Cards		
Definition		720P/1080P			
Operating System		Android 7.1/9.0 for rk3288/rk3399 Android 11 for rk3568	Win 7/ Win 8/Win 10/ Linux		
NIC	Integrated 10/100 / 1000M adaptive network card, wireless network card 802.11a / b / g / n				



3. Interfaces & Accessorie

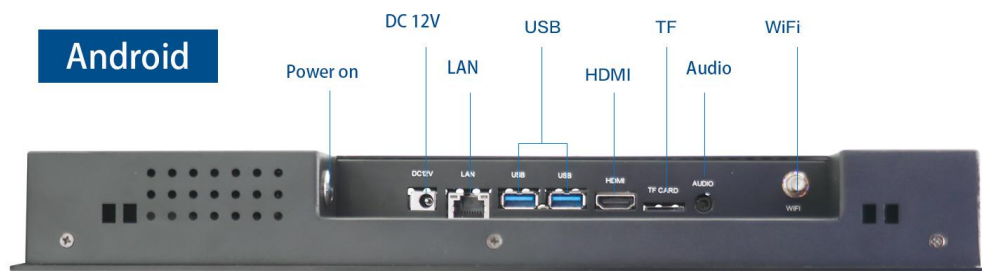
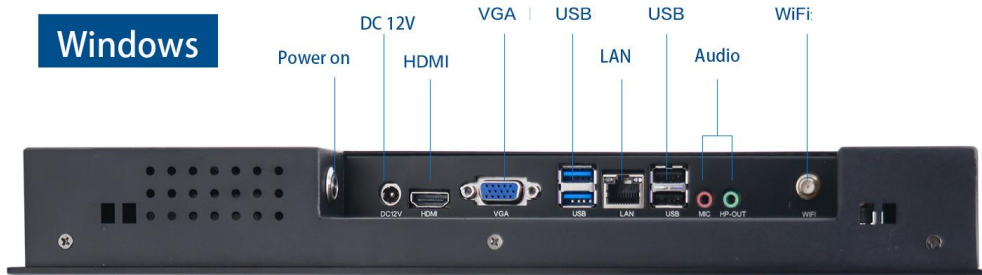
3.1 Interfaces for Android Touch PC

DC Jack	2.1mm	Headphone	1
RJ45	1	HDMI	1
USB(with OTG)	2	TF /SD card slot	1
TTL/232/485 options			

3.2 Interfaces for Windows Touch PC

DC Jack	2.5mm DC12V*1	RJ45	1
VGA Out(15 pin D-Sub)	1	HDMI output	1
USB	4	Headphone/MIC	1/1
RS232/RS485 com (1-2) options			

Ports Details



(Note: the corresponding interface and location at the bottom differs because of different motherboards, subject to the real thing)



3.3 Accessories

Instructions	*1	Certificate	*1
Wall mount/bracket	*1	AC Power line	*1(On connected machines)
Warranty Card	*1		
USB/HDMI	*1/ each (standard with monitor only)	WiFi Antennae	*1(For windows /Android external WiFi only)



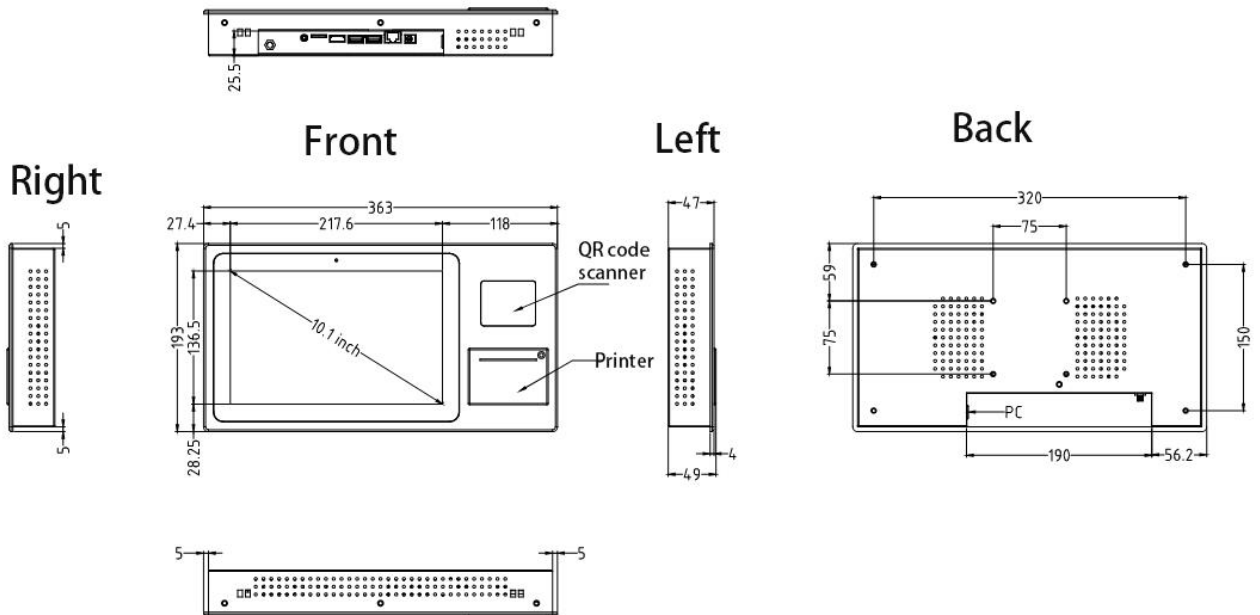
4. Mechanical Parameters

Size	10.1''
Display size	217.6 * 136.5mm (4:3)
Machine size (W * H *T)	363(W)×193(H) ×47(T)mm
Package size (W * H *T)	525(W)×315(H)×105(T)mm
Mounting bracket	Embedded, wall mount options
VESA hole	75×75 mm
Wall screw specifications	M4
Net weight	2.1KG
G.W (packaging)	2.9KG



5. Product Pictures

5.1 Overall Pictures



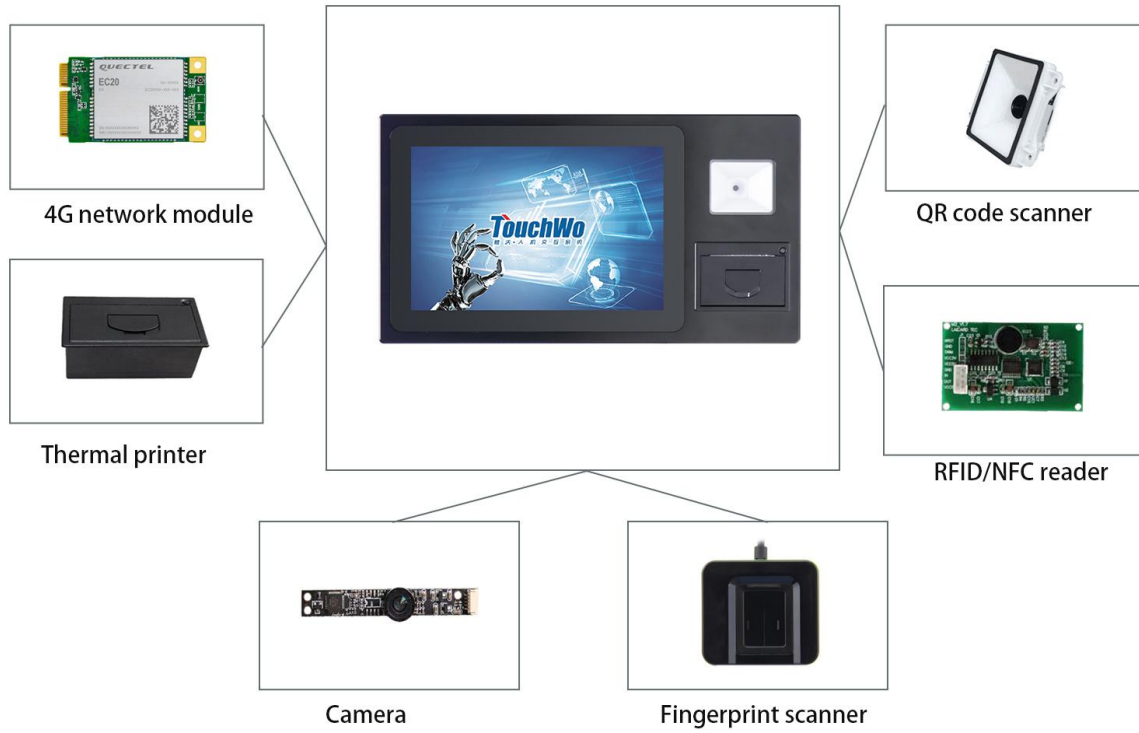


5.2 Details





5.3 Embedded Devices options





5.3.1 Thermal Printer(options)

Type	Standard	Upgrade(Customize)	Flagship(Customize)
Model	HS-QR24	HS-EC58	HS-EC80
Specs	Port: USB/RS232 Speed: 50mm/s Print width: 48mm Paper width: 58mm Voltage: DC 12V Paper size: 58mm Resolution: 8dots/mm(384 dots/line) Paper diameter: MAX(30mm) Non-auto paper cutting	Port: USB/RS232 Mode: Line thermal Speed: 50mm/S Print density: 384 dot/line Print width: 48mm Resolution: 203DPI Power In: DC 12V Paper width: 58mm Paper diameter: MAX(50mm) Automatic paper cutting	Port: USB/RS232 Mode: Line thermal Speed: 130mm/S Print density: 384 点/行 Print width: 72mm Resolution: 203DPI Power In: DC 12V Paper width: 80mm Paper diameter: MAX(50mm) Automatic paper cutting

5.3.2 QR code scanner(options)

Type	Standard	Flagship
Model	EMT-8020	ZD7100
Specs	Port: USB Resolutions: 640*480 COMS Recognition accuracy: 5 MIL Light source: White LED Field of view: H68° , V51° Distance: 25MM-240MM(15mil QR) Rotation 360° Deflection ± 50° Tilt ± 50°	Port: USB Light source: 6500K LED Sensor images: 752 X 480 Rotation 360° Deflection ± 65° Tilt ± 60° Recognition accuracy: 5mil Ccde39 Code: PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, AztecHanxin, etc



5.3.3 Camera(options)

Type	Standard	Upgrade(Customize)	Flagship(Customize)
Model	SX-2MPF4157	SXT-C270	SXHDR-30DBL-V1.0 (Dual)
Specs	<p>Pixels: 2MP</p> <p>Image sensors: HM2057</p> <p>Image dynamic image resolution and transmission rate: 1280*1024/25fps;1280*720/25fps; 800*600/25fps; 640*480/30fps;352*288/30fps;320*240/30fps; 176*144/30fps</p> <p>Shooting image resolution: 640*480</p> <p>Adjusting focus:80cm</p> <p>Optical structures:4P</p> <p>Field of view angle (D): 60°</p> <p>Aperture distortion: F2.8 <= 5%</p> <p>Relative illumination: 65%</p>	<p>Aperture: 2.37</p> <p>Port : USB2.0</p> <p>Focus : 0.85mm</p> <p>Field of view angle : 70°</p> <p>TV Aberrations: <1%</p> <p>Size of the light sensitive area: 1/5-inch</p> <p>Microphone: options</p> <p>Pixels: HD 5MP</p> <p>Top resolutions:1600*1200</p> <p>Target distance:15CM-150CM</p> <p>Pixels dots: 1.4 μ m × 1.4 μ m</p>	<p>Pixels: 2MP</p> <p>Image sensors: 1080P 1/2.7</p> <p>Image dynamic image resolution and transmission rate: 1080P/30fps 720P/30fps VGA/30fps QVGA/30fps</p> <p>Shooting image resolution: 1920*1080 OR Other</p> <p>Adjusting focus:60cm</p> <p>Optical structures: 4P</p> <p>Field of view angle (D): 65°</p> <p>Aperture distortion: F2.4 <= 1%</p> <p>Relative illumination: 65%</p>



5.3.4 4G Module(options)

Type	Flagship
model	EC25GGB-MINIPCIE-S
Specs	<p>Port: MINI-PCIE</p> <p>Supported Formats:</p> <p>LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EVDO/EDG E/GPRS/GSM/CDMA/GPS</p> <p>LTE-TDD/LTE-FDD Formats: Upstream and downstream speeds of up to 50Mbps and 150Mbps are possible</p> <p>3G : TD-SCDMA/UMTS/ CDMA /EVDO)</p> <p>2G: EDGE/GPRS/GSM</p> <p>Fully functional, worldwide</p>



5.3.5 RFID/NFC Reader (options)

Model	M2	M8	M13
Protocols	ISO14443A	ISO14443A	ISO14443A
Card type	Mifare (1K/4K) ; NXP S50,NXP S70, Fudan Micro F08, Ultralight	IC(Mifare1)	Mifare(1K/4K);NXP S50,NXP S70, Fudan Micro F08, CPU
OS	Windows、Android	Windows、Android	Windows、Android
Reading distance	00-60mm	0-40mm	00-60mm
Reading time	<100ms	<100ms	<100ms
Rate	9600bps	9600bps	9600bps
Port	TTL、RS232	TTL、USB	TTL、RS232、USB
Frequency	13.56MHZ	13.56MHZ	13.56MHZ
Size	50*31.5 *1.2mm	21*31*1.2mm	58.1*34.3*1.2mm
More reader available, Please contact sales for Precise Match.			



5.3.6 GPS (options)

Type	Standard
Model	DL-4538-2M4P5V-GCG
Specs	Port: TTL GPS&QZSSL1 1575.42MHzC/A,B1 1561.098MHz Suitable for Android

6. Warning

1. This product is a precision electronic device, the front is IP65, and the overall protection level is IPX3, so care should be taken to avoid water splashing and rain;
2. Do not place the equipment in a humid environment. Outdoor equipment needs to be equipped with a moisture-proof cover. When it rains and dew condensation, it needs to be protected to prevent water mist from entering the machine and the glass from becoming moldy. Wet use environment will accelerate the rapid aging of electronic components, thereby reducing the service life of this product and causing moisture damage to components;
3. Do not place the device in an environment with strong ultraviolet rays and direct



sunlight for a long time. When the temperature is higher than 50°C , ultraviolet rays and high temperature irradiate the screen will accelerate the deflection of liquid crystal molecules, and the screen will accelerate aging. When the outdoor temperature is higher than 50°C , move it indoors or perform shading treatment;

4. The brightness of the product is not less than $250\text{cd}/\text{m}^2$. In the case of high ambient brightness, the screen display will not be clear. Please avoid placing it outdoors when the sun is strong;

5. When the temperature is lower than 0°C , the screen may not work properly due to the influence of the deflection of the liquid crystal molecules. It is not recommended to use it when the temperature is lower than 0°C ;