Shenzhen Genstar Technology Co., Ltd.

Model: G2 Series

specification

Photo Statement: The photo was taken of products from a specific batch manufactured by our company. Due to ongoing maintenance, the actual shipped products may differ from those shown in the photo.

version number	date of issue
V1.3	2026/1/20

Thank you for choosing our products. Please read this manual carefully before use.

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying'ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

君时达科技
Genstar-tech

Product Usage Precautions

- **This equipment must be installed, disassembled, and maintained by technically trained personnel.**
- **Before powering on, carefully verify that the electrical parameters of the power supply equipment match those specified on the rear casing label of this product; otherwise, do not power on.**
- **Ensure that products with a supply voltage higher than the safe voltage are installed or placed in locations inaccessible to children or where adequate protective measures are in place.**
- **Unplug the power cord and store it in a safe, designated location during thunderstorms or lightning, when the interior is unoccupied, or after prolonged disuse.**
- **Check and ensure that the ground wire of the AC power cord is properly connected, while protecting the power cord from physical or mechanical damage.**
- **During cleaning, ensure the entire unit is powered off and unplug the power socket.**
- **During installation, avoid harsh conditions such as damp environments, direct sunlight, high-temperature sources, heavy cooking fumes, or strong wind and sand.**
- **Do not place the antenna inside a metal enclosure or similar shielding equipment to prevent network disconnections or instability.**
- **Do not place heavy objects on the device to avoid excessive pressure, which may damage the equipment and prevent it from functioning properly.**
- **Avoid using in vehicles or environments with significant vibrations to prevent poor interface contact.**
- **Private disassembly and repair without permission is strictly prohibited.**

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying′ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

君时达科技
Genstar-tech

Product Presentation

GENSTAR G2 Desktop Self-Service Cash Register

GENSTAR G2 is a desktop self-service cash register device tailored for the new retail scenario. It is well-equipped both internally and externally, from hardware to software, providing merchants with an efficient and convenient cash register solution.

It boasts a stylish and minimalist appearance, supporting both single-screen and dual-screen configurations. Equipped with a 15.6-inch high-definition touch screen, it supports ten-point capacitive touch, ensuring smooth and intuitive operation. The device integrates core functions such as QR code payment, built-in printing, and advertisement playback. The dual-screen version also enables customer screen advertisement display and operational interaction, enhancing store operation efficiency and brand image.

In terms of performance and system, it offers a choice of Android and Windows dual-systems:

The Android version is equipped with high-performance processors such as RK3568/RK3588/RK3576, paired with 2G/4G/8G memory and 32G/64G storage, running Android 11/12/13/14 systems, ensuring stable and smooth performance.

The Windows version utilizes Celeron J6412 or N series processors, as well as various Core series processors, equipped with 4G/8G/16G of RAM and 64G/128G/256G of storage. It supports Windows 10/11 systems and is compatible with a wider range of industry software.

The device boasts a rich array of interfaces, including DC-IN, USB, Ethernet, and audio ports. It also supports customizable module options, such as IC/ID/NFC card readers, identity verification, facial recognition payment, 4G communication, and a built-in 58/80MM thermal printer, catering to personalized needs across various scenarios.

GENSTAR G2 Desktop Self-Service Cashier Equipment Applicable Scenarios

1. Offline retail scenario

Convenience stores/supermarkets: Customers can independently complete scanning, payment, and receipt printing, alleviating cashier pressure during peak hours and enhancing checkout efficiency.

Fresh food store/fruit store: Supports a combination of weighing and pricing + scanning payment, catering to the rapid checkout needs of loose goods.

Boutique / maternity and baby store: Dual-screen advertising display can simultaneously push new product or promotional information, balancing cashiering and marketing.

Unmanned store: With the integration of face recognition, NFC card reading, and other modules, it achieves

24-hour unmanned self-service checkout.

2. Catering and service scenarios

Fast food restaurants/drink shops: Support scanning code to order and self-checkout, reduce front desk queues, and adapt to the take-out business model.

Tea/Coffee Stores: Can integrate member identification and coupon verification to enhance customer self-service experience.

Hotel front desk/government affairs hall: As a self-service terminal, it completes operations such as identity verification, payment, and voucher printing.

3. Other professional scenarios

Library/Bookstore: Implement self-service book borrowing, settlement, and receipt printing.

Scenic spots/venues: Support ticket verification, scanning payment, and printing of consumption vouchers.

Enterprise/park: As an internal consumption, visitor registration, or self-service payment terminal.

君时达科技
Genstar-tech

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying′ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

Appearance Display

Gross 15.6-inch dual-screen back view

15.6-inch dual-screen front view

Side view of 15.6-inch dual-screen Built-in print/scan/ bank POS machine stand

15.6-inch horizontal dual screen

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying'ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

君时达科技
Genstar-tech

Product Core Parameters

Android system	RK3568	RK3576	RK3588
CPU	Rockchip RK3568 quad-core 64-bit processor with Cortex-A55 architecture, featuring a maximum clock speed of 2.0GHz	Rockchip RK3576 quad-core Cortex-A72 + quad-core Cortex-A53, with a maximum frequency of 2.2GHz	The Rockchip RK3588S is an octa-core 64-bit processor with a maximum clock speed of 2.4GHz, featuring a quad-core Cortex-A76 (large core) and quad-core Cortex-A55 (small core) architecture.
GPU	ARM G52 2EE Supports OpenGLES 1.1/2.0/3.2, OpenCL 2.0, and Vulkan 1.1 Embedded high-performance 2D acceleration hardware	ARM G52 MC3 Supports OpenGLES 1.1/2.0/3.2, OpenCL 2.0, and Vulkan 1.1. Embedded high-performance 2D acceleration hardware	ARM G610 GPU MC4 quad-core GPU Supports OpenGL ES3.2, OpenVG1.1, and OpenCL2.2, with 450 GFLOFS Embedded high-performance 2D acceleration hardware
NPU	Equipped with a built-in neural network processor (NPU) delivering 0.8TOPS@INT8 performance, it supports AI development tools including Caffe/Mxnet/TensorFlow/ TF Lite/ONNX/Darknet for model deployment. Features rapid model conversion capabilities.	Equipped with a built-in neural network processor (NPU) delivering 6.0TOPS@INT8 performance, it supports models including Caffe, Mxnet, TensorFlow, PyTorch, TF Lite, ONNX, and Darknet, providing comprehensive AI development tools with rapid model conversion capabilities.	Equipped with a built-in neural network processor (NPU) for powerful AI computing: Supports IN4/IN8/INT16/FP16 operations with up to 6.0 TOPS performance, enabling direct loading of models like Caffe/Mxnet/TensorFlow/TF Lite/ONNX/Darknet. Provides AI development tools including rapid model conversion capabilities.
Operating System	Android 11	Android 14	Android 12
RAM	LPDDR4 2GB (4G/8G optional)	LPDDR4 4GB (8G/16G optional)	LPDDR4 4GB (8G/16G/32G optional)
ROM	eMMC 16GB (available in 32G, 64G, 128G, or 256G options)	eMMC 32GB (available in 64G, 128G, 256G, or 512G options)	eMMC 32GB (64G/128G/256G optional) TF Card expansion (optional)
Ethernet	Supports Ethernet 10/100	Supports Ethernet 10/100/1000 speeds	Supports Ethernet 10/100/1000 speeds
WiFi	Supports 2.4GHz and Wi-Fi 802.11b/g/n/ac protocols. (Optional 5GHz dual-band WiFi)	Supports 2.4GHz and WiFi6 802.11b/g/n/ax protocols (5GHz dual-band WiFi optional)	Supports 2.4G WiFi and Wi-Fi 802.11b/g/n protocols. (Optional 5GHz dual-band WiFi)

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying'ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

Bluetooth	Supports Bluetooth function, V2.1+EDR (optional 3.0/3.0+HS/4.1/BLE)	Supports Bluetooth function, V2.1+EDR (optional 3.0/3.0+HS/4.1/BLE)	Supports Bluetooth function, V2.1+EDR (optional 3.0/3.0+HS/4.1/BLE)

Windows system	J6412	N100	I5-10210U
CPU	Celeron J6412, quad-core quad-thread processor with a base frequency of 2.0GHz and a maximum frequency of 2.6GHz	N100, quad-core quad-thread, up to 3.4GHz	ntel Core i5-10210U, quad-core eight-thread, base frequency 1.6G, maximum 4.2G
GPU	Intel® UHD Graphics	Intel® UHD Graphics	Intel® Iris® Xe Graphics eligible
Operating System	Windows10/11	Windows10/11	Windows10/11
RAM	1× DDR4 memory slot with SO-DIMM 4GB capacity (4G/8G/16G available)	1× DDR4 memory slot with SO-DIMM 4GB capacity (available in 4G, 8G, or 16G variants)	2*DDR4 memory slots, supporting up to 64GB
SSD	64GB SSD (available in 128G, 256G, or 512G options)	64GB SSD (available in 128G, 256G, or 512G options)	64GB SSD (available in 128G, 256G, or 512G options)
Ethernet	Supports Ethernet 10/100/1000 speeds	Supports Ethernet 10/100/1000 speeds	Supports Ethernet 10/100/1000 speeds
WiFi	Supports 2.4GHz, IEEE 802.11b/g/n/ac. (5GHz dual-band optional)	Supports 2.4GHz, IEEE 802.11b/g/n/ax. (5GHz dual-band optional)	Supports 2.4GHz, IEEE 802.11b/g/n/ac. (5GHz dual-band optional)
Bluetooth	None (Bluetooth optional: V2.1+EDR / 3.0/3.0+HS/4.2/5.2)	None (Bluetooth optional: V2.1+EDR / 3.0/3.0+HS/4.2/5.2)	None (Bluetooth optional: V2.1+EDR / 3.0/3.0+HS/4.2/5.2)

15.6-inch LCD screen			remarks
LCD type	TFT	TFT	
LCD size	15.6 inches	15.6 inches	
Active Area(W×H)	344.23 x 193.54 mm	344.16 x 193.59 mm	
Number of Dots	1366*768	1920*1080	

Brightness	220 Cd/m2	255~300 Cd/m2	
Viewing Angle(H) θ 3	45 degrees	85 degrees	
Viewing Angle(H) θ 9	45 degrees	85 degrees	
Viewing Angle(V) θ 12	20 degrees	85 degrees	
Viewing Angle(V) θ 6	40 degrees	85 degrees	
Contrast Ratio	400	1200	
Response Time	12 ms	20~25 ms	
Colour Gamut	45%	45%	

Touchscreen/Glass		remarks
structure	G+G	
Tempered glass thickness	1.1 mm	
Sensor thickness	0.7 mm	
Cover plate color	black	
surface hardness	>6H	
Number of contacts	10	
Touch area	Φ≥9	
input mode	Finger or conductive pen	
Total light transmittance	≥86%	
fog level	≤5%	

Printer		remarks
Print mode	temperature-sensitive	
Print Speed	MAX:200mm/s	
Resolution	203dpi	
Effective print area	72mm	
Paper type	Continuous thermal paper, die-cut label paper, black label paper	
Paper width	43-80mm (adjustable)	
Max Paper	max：80mm	

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying'ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

Rolldiameter		
Paper Thickness	0.053-0.09mm(receipt)/0.10-0.15mm(label)	
Print Life	≥100 KM	
Cutter	Auto cutter, full cut and half cut (via command)	
Cutter Life	≥1,000,000 occurrences	
Character Set	ESC/POS (bill), CPCL, TSPL, JPL (label)	
Barcode	UPC-A, UPC-E, EAN8, EAN13, code39, ITF, CODEBAR, CODE128, CODE93	
QR code	QR code, PDF417	

Scanner		remarks
imaging sensor	CMOS	
resolution ratio	300,000 pixels, 640*480	
recognition accuracy	2D ≥7.5 mil, 1D ≥3.9 mil	
decoding speed	≤2m/s	
Scan angle	Tilt ±80°, tilt ±70°, rotate 360°	
recognition distance	0~400 mm	
readable encoding system	One-dimensional codes: Codabar, Code 11, Code 39, Code 93, Code 128/EAN128 EAN.UCC Composite, Interleaved 2 of 5,MSI Code, Planet, Plessey Code, Postnet, RSS, Standard 2 of 5, Telepen, UPC/EAN, etc.	
	Two-dimensional formats: PDF417, QR code, Matrix 2 of 5, MicroPDF417, and Australian Post. Canada Post, Japan Post, MaxiCode, Codablock, Aztec, Dutch Post, TLC 39, DataMatrix, etc.	

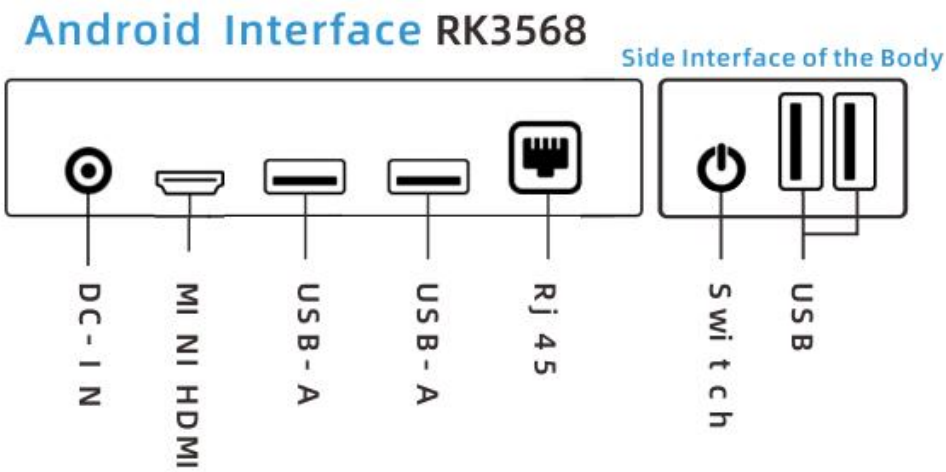
IC/ID card reader		remarks
Supports cards	Reading 125kHz and 13.56MHz cards	
communication interface	USB	
Card reading distance	20~50mm	

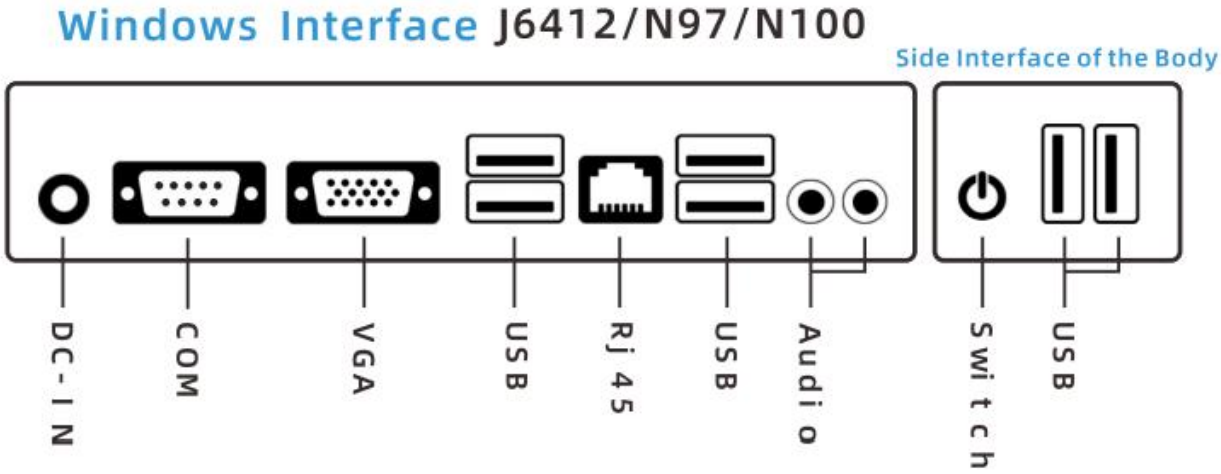
Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying'ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

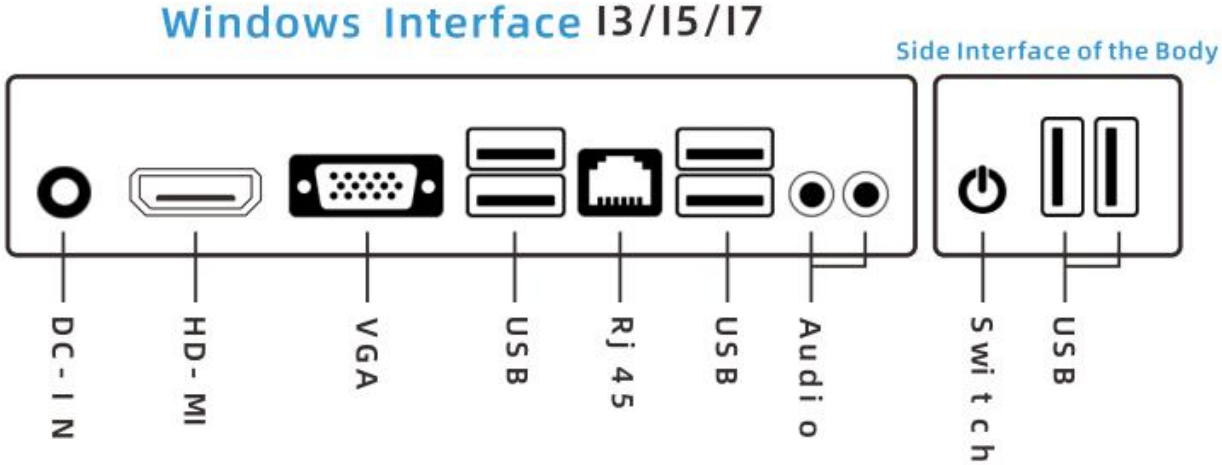
Loudspeaker		remarks
impedance	4Ω±15%	
power rating	3W	
maximum power	4W	

Product operating environment parameters	
Storage temperature and humidity	-20～70℃，10～85 %RH
Working temperature and humidity	-20～50℃，10～80 %RH
Electrostatic Discharge Immunity (ESD)	Contact voltage: ±6 kV; air voltage: ±8 kV
Power Input	DC12V

Product appearance and interfaces:

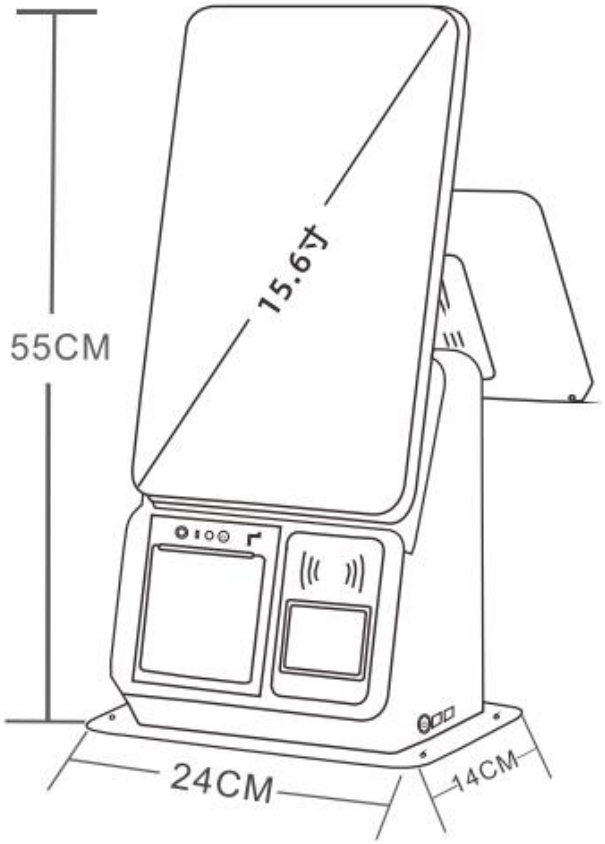




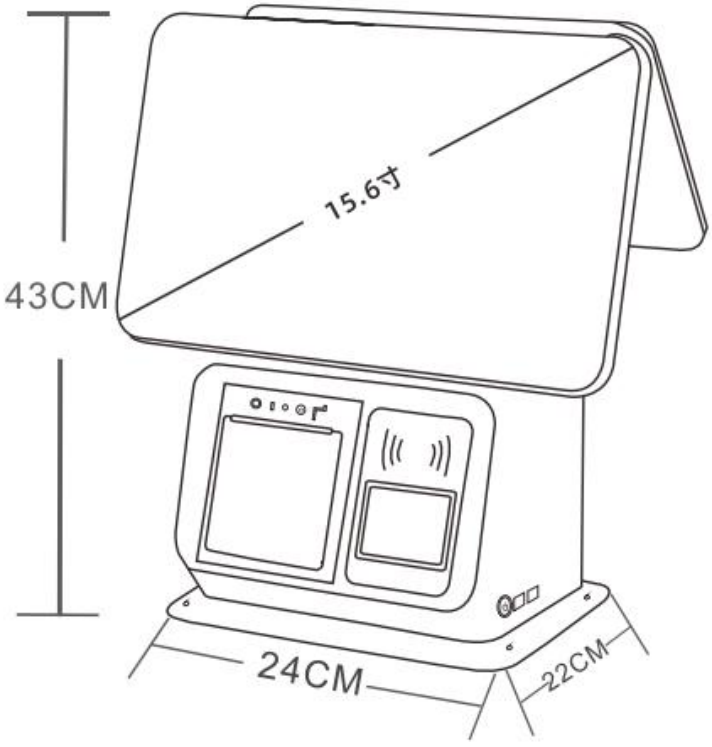


Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying'ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811

君时达科技
Genstar-tech



G2 dual screen
15.6 inches
24*14*55CM



G2 dual screen
15.6 inches
24*22*43CM

Address: 1102 Chuangzhi Industrial Building, Dalang Residential District Langkou Community Ying′ai Road No.1,Longhua shenzen Guangdong China, Tel: 0755-83368811