

1852C 18.5" LCD

Open Android touch all-in-one

GreenTouch's 1852C 18.5" Open Android touch all-in-One PC is the integrated touch solution designed for automatic information systems, gaming and entertainment, as well as industrial Automation and control. The open frame touch all-in-one PC is made based on the idea "designed for simple and convenience" and with the proven GreenTouch professionalism and reliability. The precise small frame design makes it easier for customers to install them product in the cabinet. Designed and built by GreenTouch, the model has a long life cycle and can offer long-term demands.

This model is versatile and powerful, with a modular design and optional configuration. For customers with low performance requirements, we recommend the ultra-low power consumption and cost-effective ZC-83E and ZC-83A solutions. For customers with higher performance requirements, Optional more powerful ZC-328 solution, the board integrates multimedia decoding, LCD driver, Ethernet, HDMI, WIFI, 3G, Bluetooth in one, supports most currently popular video and picture format decoding, supports HDMI video output, TF card and locked SIM card holder, more stable, greatly simplifying the design of the whole system; built-in speaker, 12V low voltage power supply.

The all-in-one has a series of output connection ports to support various third-party peripheral devices. Standard ports include 2 standard USB ports, 1 RS-232 serial port, Gigabit wired network card interface and a 3.5MM audio left and right channel output, 1 TF card and locked SIM card holder, 1 HDMI video Output port, easy to add a second guest display.

A variety of industry-leading GreenTouch projected capacitive touch technologies is available. The model has global standard of agencies' certification and GreenTouch warranty and after-sales service, providing a cost-effective solution for industrial embedded systems integrators and value-added resellers (VARs).

Features

- Optional Motherboard

Configuration includes:

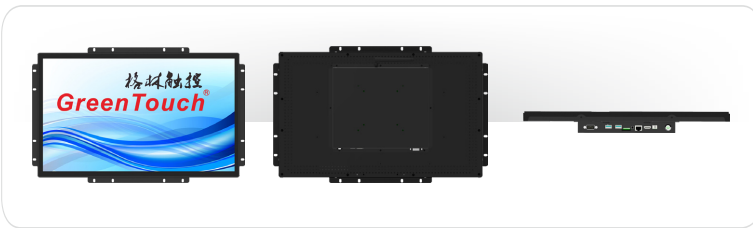
- ZC-328
- ZC-83A
- ZC-83E

- Optional touch technologies include:
Projected capacitive

- Compact and easy to integrate with mounting from sides or top and bottom; also a VESA mount option

- Worldwide agency approvals

- One year standard warranty



- “Design for simple and convenience” the idea
- Outstanding quality, reliability and Cost-effective

About GreenTouch

Shenzhen GreenTouch Technology Co., Ltd. is a professional manufacturer of product. Our company specializes in R&D, manufacture and marketing of high-grade touch screen and value-added touch machine. Our company has our own brand—GreenTouch and provides customers with touch products including SAW touch screen, IR touch screen, four-wire touch screen, five-wire touch screen, various touch screen monitors and touch all in one PC TV. GreenTouch has automatic production lines and the sealed dust-free workshops and has been certified to ISO9001 Quality Management System and ISO14001 Environmental Management System. The products are inspected in strict accordance with the quality management system. Quality management becomes an essential part of operation. Our products have been certified to CE, FCC, ETL, ROHS and UL. The objective of GreenTouch is to become the most reliable supplier of touch screen, high value-added and special touch products and touch solutions in the world.

Applications

- Information Kiosk
- Game and Entertainment
- Industrial Automation
- Self-checking service

Specifications

Case/ frame color	Black / Silver color
Machine dimensions	457mm(W) x 281 mm(H), Thickness: 47 mm
Display type	18.5" Diagonal, Ratio 16:9, Active matrix TFT LCD, LED backlight
Resolution(pixel)	1366 x 768 @ 60Hz
Active Area Dimensions	409.8mm(H) x 230.4mm(V)
Display Colors	16.7M
Brightness (Standard)	250cd/m ²
Response time (standard)	1.4ms
View Angle(from center)	Horizontal (left / right): ±85° or a total of 170° Vertical (up / down): ±80° or a total of 160°
Contrast ratio (standard)	1000: 1(Typ.)
Touch Technology	projected capacitive Touch chip: welda, eeti, iitek Touch points: 1-10 Touch supply voltage: 5V Touch interface: USB Touch support system: Windows, Android, linux
Motherboard	ZC-328: Core micro RK3288, the strongest four core 1.8GHz Cortex-A17, four core GPU Mali-T764 ZC-83E: Quanzhi A83T, Cortex-A7 architecture, main frequency 2.0G
Operating system	Android 6.0
Memory	Default 2GB (up to 4GB)
Built in memory	EMMC8G (Default) / 16G / 32G / 64G (optional) ZC-83E Motherboard: up to 32G
Network support	3G, Ethernet, WiFi / Bluetooth 4.0, wireless peripheral extension
Wireless	Built in WiFi or WiFi / BT module (optional), 802.11b/g/n, default single WiFi module, external 1.3dB omnidirectional antenna
Speakers	Built-in 2*3W speakers
HDMI Output	1, Support 1080P@120Hz, 4Kx2K@60Hz Output
USB Interface	2 x USB HOST
TF Card	Support TF Card
Headset / Microphone	1 external headphone audio output
Audio and video output	Support left and right channel output, built-in BR / 5W power amplifier
Video function	USB camera support
Power	External DC, input voltage DC: 12V; INPUT POWER CONNECTOR SPECIFICATIONS (for all in one PC) - Type: DC cartridge receptacle; Cartridge ID: 5.5 mm (± 0.3 mm); Needle OD: 2.0 mm (+0.0 -0.1 mm); Cartridge depth: 8.0 mm (± 0.3 mm);
Power consumption (standard)	Depend on Motherboard and the minimum is 25W
Temperature	Operating: 0 ° C to 60 ° C; Storage: -20 ° C to 60 ° C
Humidity	Operating: 20% to 80% (non-condensing); Storage: 5% to 95% (non-condensing)
Warranty	1 year
Weight (approx.)	Net weight: 4.3 kg(Typ.); Shipping: (6.2 kg (reference)
Mounting options	100mm or 75mm VESA mounting, open bracket mounting
Water and dust protection/Explosion-proof	IP65(front)/K0B(front)
Surface treatment	AG AR AF (Optional)
Agency Approvals	UL,cUL (Recognized), FCC, CE, CB, China RoHS CQC

Ordering Information

Model	Part Number	CPU	RAM	Storage	Surface	Availability
1852C	GT-TC-1852C-RK3288-D4-S64	RK3288	4G	64G	Clearment	Worldwide
	GT-TC-1852C-A83T-D2-S32	A83T	2G	32G	Clear	Worldwide

To find out more about our extensive range of GreenTouch touch solutions, go to www.greentouch.com.cn, or ifo@greentouch.com.cn

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