



User Manual

Part No.: FTT100 Series Touchscreen Computer

Revision: A12

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1 Product Introduction

Sugarcube provides full range of industrial touchscreen computer. FTT100 series has latest developments in touchscreen technology and display design and suitable various application scenario.

Specification

Processor	RK 3288/3568/3588 Amlogic A311D
OS	Android 7.0/9.0/12.0
Memory	2G / 4G /8G Optinal RAM
Storage	16G, 32G, 64G NAND flash memory
Screen	10.1 – 1920 x 1080 11.6 – 1920 x 1080 13.3 – 1920 x 1080 15.6 – 1920 x 1080 21.5 - 1920 x 1080
Aspect Ratio	10.1, 11.6, 13.3, 15.6 - 16: 9 12 - 4:3
Touch Screen	Capacitive touch; up to 10 touches
Micro-SD	Support for microSD cards (up to 128GB)
Wi Fi	IEEE 802.11b/g/n Bluetooth 5.0 with BLE
Speaker	2x1.5w
USB Ports	4x USB2.0 1x USB3.0
Brightness	300nits (Optional upgrade)

hardware interface

Provides a variety of peripherals, functions and features are as follows:

Ports	Qty	Description
power	1	DC5.5*2.1MM
USB	3 *USB	One USB OTG, one USB 2.0, one USB 3.0, is generated externally
Audio	2	One 3.5mm earphone with one built-in SPK connector PH2.0MM-4P seat son, dual channel 1.5W speaker as standard
Ethernet	1	10/100/1000M adaptive network interface
HDMI	1	HDMI 2.0 universal port
TF	1	TF card interface
Bluetooth module	1	IEEE Support 802.11 b/g/n
WIFI module	1	Bluetooth 5.0 with BLE
KEY	1	1 recovery button (for burning)

Two USB ports One USB 2.0 and one USB 3.0 can be connected to a variety of USB peripherals, such as USB keyboard, mouse, USB flash drive, and USB camera (supporting the UVC protocol).

OTG interface is a Micro USB interface, which can only be used for system writing and ADB debugging.

The 3.5mm headphone port supports standard left and right channel output.

Use an RJ45 to connect one 10/100/1000M adaptive Ethernet port. If you want to use Android Ethernet, connect a network cable to the ETH port and enable the Ethernet function. The default Ethernet IP address is assigned in DHCP mode. If you want to manually configure IP addresses, you can configure them in Advanced Settings.

HDMI 2.0a standard display interface, the maximum support for 4K@60 output, namely the housing screen HDMI interface, users can be connected to a variety of sizes of display. The default resolution is 1920*1080.



Equipped with Bluetooth WIFI two-in-one AP6212 module, AP6212 can support Bluetooth 4.2 protocol 2.4G WIFI, and support the function of exchanging files with mobile phones and other devices after pairing.

Overlook



2 Installation

Verify that the box contains.

- FTT100
- Power Adapter
- Label

Remove all protective materials from the device.

Inspect the device for damage.

RECOVERY button

TF card, the 4-bit on-board data cable is connected to the TF booth, which supports mass storage. The hot swap detection is designed and supports eMMC 4.3 and SD Memory Card v2.0.

Dimensions

Product wall mounting hole fixing screws.

Screw specification: M4*6 round head screws, quantity: 4 / set.

3 Tech Support and Maintenance

Pls contact with lingpeng.kong@sugarinc.cn

The following tips will help keep optimal performance.

- To prepare for cleaning the touchscreen, power down the device (if possible), or ensure your on-screen software can tolerate false touches while you clean.
- Do not get liquids inside the unit. Do not spray directly. Using wet wipes or a sprayed cloth with the excess moisture to clean.
- Wipe the surfaces with the appropriate wipes or cloths and approved cleaning products and allow them to dry.

4 Environmental

Item	Min	Typical value	Max	unit
Operating temperature	-10	25	60	°C
storage temperature	-20		70	°C
operating humidity	5		95	RH%

5 Power supply

Item	condition	Min	Typical value	Max	unit
Operating voltage	12V	11.5	12	12.5	V
Working current	500		620	800	mA

Note:High quality 12V/2A is recommended



FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm(8 inches)during normal operation.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. in cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the



manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.