

VT-TPC070-RK3568-JP User Manual



Vantron Technology, Co., Ltd.

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Change History

This table describes the version and release date.

No.	Version	Description	Date
1	V1.0	First release	2024/5/31

1 Foreword

1.1 Copyright Notice

While all information contained herein have been carefully checked to assure its accuracy in technical details and printing, Vantron assumes no responsibility resulting from any error or features of this manual, or from improper uses of this manual or the software. Please contact our technical department for relevant operation solutions if there is any problem that cannot be solved according to this manual.



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1.2 Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Type	Description
	Notice	Important information and regulations
	Caution	Caution for latent damage to system or harm to personnel

1.3 Statement

It is recommended to read and comply with this manual which provides important guidance and helps decreasing the danger of injury, electric shock, fire, or any damage to the device.

1.4 Disclaimer

Vantron assumes no legal liability of accidents resulting from failure of conforming to the safety instructions.

1.5 Limitation of Liability/Non-warranty

For direct or indirect damage to this device or other devices of Vantron caused by failure of conforming to this manual or the safety instructions on device label, Vantron assumes neither warranty nor legal liability even if the device is still under warranty.

1.6 Safety Instructions

- ✧ Keep and comply with all operation instructions, warnings, and information.
- ✧ Pay attention to warnings on this device.

- ◇ Read the following precautions so as to decrease the danger of injury, electric shock, fire, or any damage to the device.

1.7 Precautions

- ◇ Pay attention to the product labels/safety instructions printed on silk screens.
- ◇ Do not try repairing this product unless declared in this manual.
- ◇ Keep away from heat source, such as heater, heat dissipater, or engine casing.
- ◇ Do not insert other items into the slot (if any) of this device.
 - Keep the ventilation slot ventilated for cooling.
 - System fault may arise if other items are inserted into this device.
- ◇ Installation: ensure correct installation according to instructions from the manufacturer with recommended installation tools.
- ◇ Ensure ventilation and smoothness according to relevant ventilation standard.

1.8 Safety Instructions for Power Cables and Accessories



Use proper power source only.

Start only with power source that satisfies voltage label and the voltage necessary according to this manual. Please contact technical support personnel of Vantron for any uncertainty about the requirements of necessary power source.



Use tested power source.

This product still contains a button lithium battery as a real-time clock after its external power source is removed and therefore should not be short-circuited during transportation or placed under high temperature.



Place cables properly.

Do not place cables at any place with extrusion danger.



Cleaning Instructions

- ◇ Please power off before cleaning the device.
- ◇ Do not use spray detergent.
- ◇ Clean with a damp cloth.
- ◇ Do not try cleaning exposed electronic components unless with a dust collector.
- ◇ Support for special fault: Power off and contact technical support personnel of Vantron in case of the following faults:
 - The device is damaged.
 - The temperature is excessively high.
 - Fault is still not solved after the operation according to the manual.

2 Overview

2.1 Introduction

Thank you for choosing Vantron. The entire machine is based on a desktop design and adopts a standard VESA installation mode. It can be installed with a desktop base or through different brackets, which can be compatible with installation in different scenarios and structural forms.

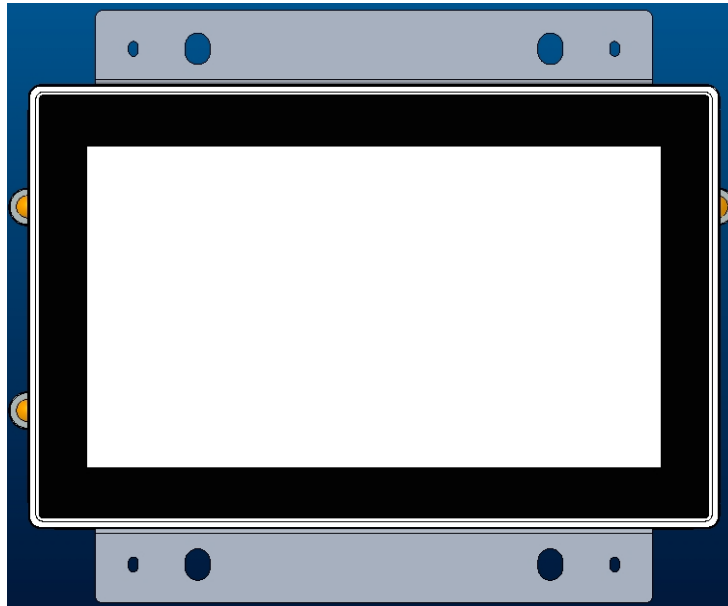
Our display enables the interaction between operators/users and applications.

2.2 Ordering Information

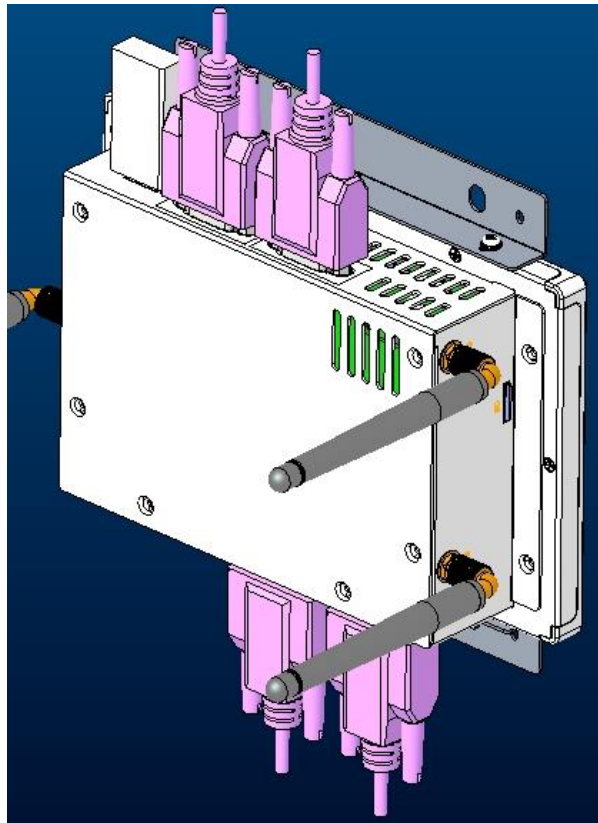
VT-TPC070-RK3568-JP	7" TFT LCD, 280nits, 1024x600 Screen.
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3 VT-TPC070-RK3568-JP Hardware Instructions

3.1 Product Appearance

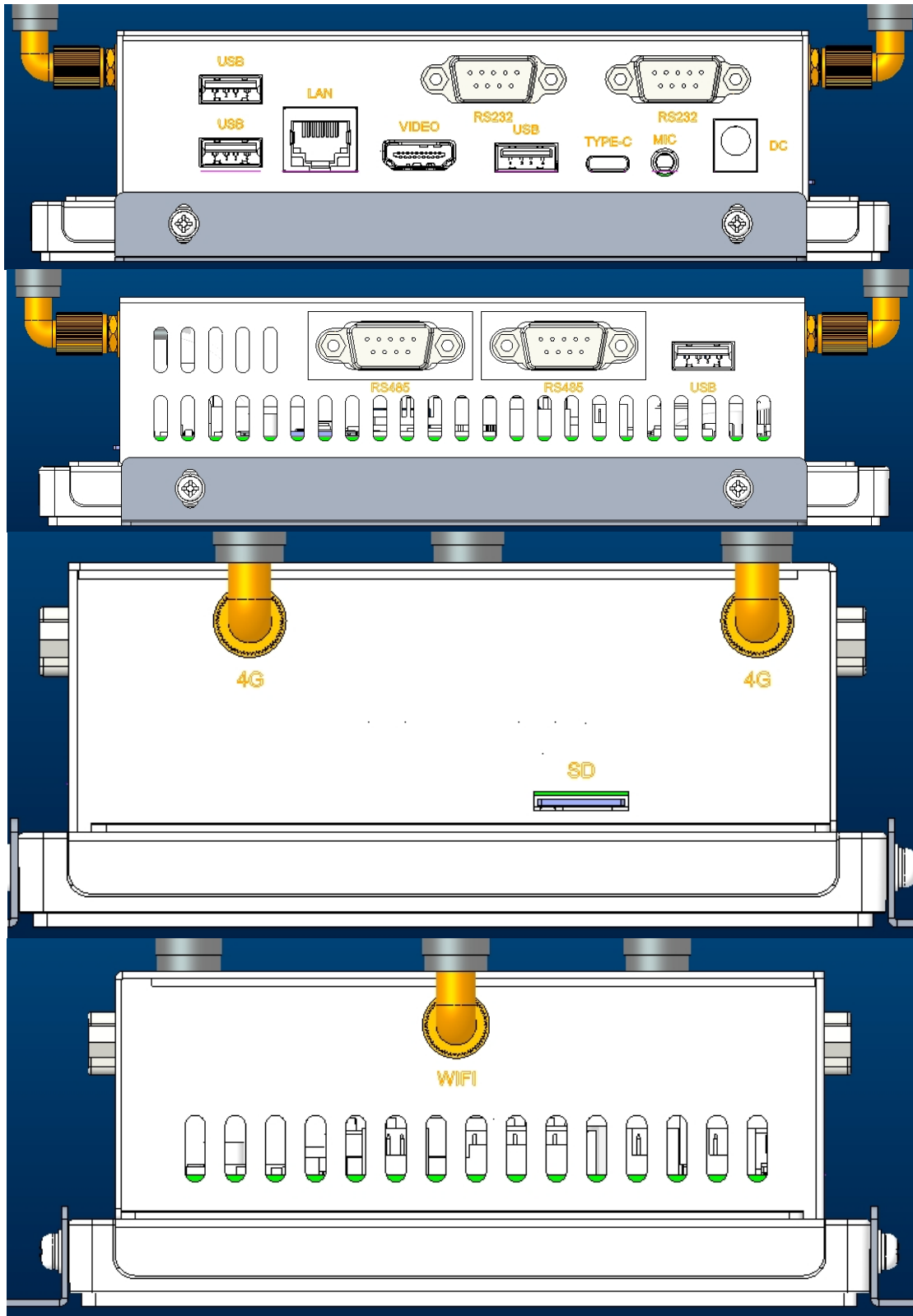


Front View



Back View

3.2 Interface Instructions



Interface	Description
USB	3 x USB2.0 Type A
	1 x USB3.0 Type A
	1 x USB Type-C
Serial Port	2 x RS232
	2 x RS485
Video	1 x HDMI
Audio	3.5mm audio port
Ethernet	10M/100M/1000Mbpsself-adaption
Wifi	802.11 a/b/g/n/ac 2.4Gz & 5GHz Dual frequency
4G	M.2 port
Power supply	Input DC12V

3.3Packing List

No	Part Description	Quantity	Type
1	VT-TPC070-RK3568-JP	1 PCS	Complete machine
2	YAP003R091	1 PCS	The power adapter
3	YC0703R120	1 PCS	AC Cable
4	YAA003R142	1 PCS	WIFI Antenna
5	YAA003R090	2 PCS	4G Antenna

4 Tips



Waste Disposal

It is recommended to disassemble the device before abandoning it in conformity with local regulations. Please ensure that the abandoned batteries are disposed according to local regulations on waste disposal. Do not throw batteries into fire (explosive) or put in common waste canister. Products or product packages with the sign of “explosive” should not be disposed like household waste but delivered to specialized electrical & electronic waste recycling/disposal center. Proper disposal of this sort of waste helps avoiding harm and adverse effect upon surroundings and people’s health. Please contact local organizations or recycling/disposal center for more recycling/disposal methods of related products.

Comply with the following safety tips:



Do not use in combustible and explosive environment

Keep away from combustible and explosive environment for fear of danger.



Keep away from all energized circuits.

Operators should not remove enclosure from the device. Only the group or person with factory certification is permitted to open the enclosure to adjust and replace the structure and components of the device. Do not change components unless the power cord is removed. In some cases, the device may still have residual voltage even if the power cord is removed. Therefore, it is a must to remove and fully discharge the device before contact so as to avoid injury.



Unauthorized changes to this product or its components are prohibited.

In the aim of avoiding accidents as far as possible, it is not allowed to replace the system or change components unless with permission and certification. Please contact the technical department of Vantron or local branches for help.



Pay attention to caution signs.

Caution signs in this manual remind of possible danger. Please comply with relevant safety tips below each sign. Meanwhile, you should strictly conform to all safety tips for operation environment.



Notice

Considering that reasonable efforts have been made to assure accuracy of this manual, Vantron assumes no responsibility of possible missing contents and information, errors in contents, citations, examples, and source programs.

Vantron reserves the right to make necessary changes to this manual without prior notice. No part of this manual may be reprinted or publicly released in forms of photocopy, tape, broadcast, e-document, etc.

FCC Warning:

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Appendix A: How to Contact Us

If you have any problems or suggestions, or want to know more about our products, visit www.vantrontech.com.

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