



User Manual

DT-C4301X

43"
All-In-One Touch Computer

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This manual is for DT-C4301X

Declaration of Conformity

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

Packing List

Before installing the UTC system, check that the following materials have been included in the shipment:

- n DT-C4301X unit
- n Accessories for DT-C4301X
 - Power Cable

If any of these items are missing or damaged, contact your distributor or sales representative immediately.

Technical Support and Assistance

1. Contact your distributor, sales representative, or Highrock's customer service center for technical support if you need additional assistance. Please have the following information ready before calling:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

Warnings



Warning! *TO REDUCE THE RISK OF ELECTRIC SHOCK,DO NOT REMOVE COVER (OR BACK).NO USER-SERVICEABLE PARTS INSIDE.REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.*



Warning! *n Input voltage rated 110V
n TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD.
n DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
n SHOCK HAZARD DO NOT OPEN..*

Contact information

Manufacturer

Highrock Recreation Product Co., Ltd.

No 11 Yijing Road Dongli Economic Development Area,Tianjin,

R.O.C. TEL: (022) 24982258

Safety Instructions

1. Read these safety instructions carefully.
2. Retain this user manual for future reference.
3. Disconnect the equipment from all AC outlets before cleaning. Use only a damp cloth for cleaning. Do not use liquid or spray detergents.
4. For pluggable equipment, the power outlet socket must be located near the equipment and easily accessible.
5. Protect the equipment from humidity.
6. Place the equipment on a reliable surface during installation. Dropping or letting the equipment fall may cause damage.
7. The openings of the enclosure are for air convection. Protect the equipment from overheating. Do not cover the openings.
8. Ensure that the voltage is correct before connecting the equipment to a power outlet.
9. Position the power cord away from high-traffic areas. Do not place anything over the power cord.
10. All cautions and warnings on the equipment should be noted.
11. If unused for a long time, disconnect the equipment from the power source to avoid damage from transient overvoltage.
12. Never pour liquid into an opening. This may cause fire or electrical shock.
13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
14. If one of the following occurs, have the equipment checked by authorized service personnel:
 - n The power cord or plug is damaged.
 - n Liquid has penetrated the equipment.
 - n The equipment has been exposed to moisture.
 - n The equipment is malfunctioning or does not operate according to the user manual.
 - n The equipment has been dropped and damaged.
 - n The equipment shows obvious signs of breakage.
15. Do not store the equipment in an environment where the temperature fluctuates below -20 °C (-4 °F) or above 60 °C (140 °F) as this may cause damage. The equipment should be stored in a controlled environment.
16. Use only the recommended mounting apparatus to avoid damage due to falling.
17. The sound pressure level at the operator position does not exceed 70 dB (A) in accordance with the IEC 704-1:1982.

DISCLAIMER: These instructions are provided according to IEC 704-1 standards. Highrock disclaims all responsibility for the accuracy of any statements contained herein.

Warning! *Because of the risk of electric shock, do not remove the equipment cover during operation or when connected to a power outlet.*



Caution! *To avoid short circuits and otherwise damaging the device, do not allow fluids to come in contact with the device. If fluids are accidentally spilled on the equipment, remove the affected unit from service as soon as possible and contact service personnel to verify that personal safety is not compromised. If the computer clock is unable to maintain accurate time or the BIOS configuration resets to default, check the battery.*



Caution! *Do not replace the battery yourself. Contact a qualified technician or your retailer. The computer is equipped with a battery-powered real-time clock circuit. There is a danger of explosion if the battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.*



Chapter 1

General Information

1.1 Introduction

Highrock's DT-C4301X is a finless, low-power, all-in-one touch panel computers suitable for self-service kiosks, as well as to support diverse digital retail, hospitality, healthcare, education, entertainment, and information processing applications. Featuring a protective enclosure, advanced touchscreen technology, wireless capabilities, and rich I/O, the high-performance UTC series can also be integrated with a wide range of optional peripherals and accessories according to specific application requirements.

1.2 Specifications

System	CPU	Intel® Core™ i5-6300U (UTC-520FP-IKA0EF)
	Base Frequency	2.6GHz (dual-core)
	Cache	L3 cache 4 MB
	Memory	2 x SODIMM DDR3L 1600 MHz, up to 16 GB
	Storage	1 x 128GB SSD
	Network	2 x Gigabit Ethernet ports 2.4 G WIFI module
	I/O	2 x USB 2.0/2 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA/HDMI 1 x Audio Line-Out 1 x Mic-In
	Stereo Speaker	2 x 3W
	Dimensions	1010 x 598 x 70 mm
	Weight	20 kg (44.1 lb)
OS Support		Windows 10 Enterprise
Environmental	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
	Relative Humidity	10 ~ 95% @ 40 °C non-condensing
	EMC/Safety	CCC
Power Supply	Input Rating	AC100-240V 50/60HZ
	Power	100W MAX.

LCD Panel	Size/Type	43" TFT LCD with LED backlight
	Max.Resolution	1920 x 1080
	Max. Color	16.7M
	Pixel Pitch (H x V)	248.25 x 248.25 um Brightness
		400 cd/m2
	Viewing Angle	178°/178°
Touchscreen	Type	Infrared Touch Screen Technology

Chapter 2

System Setup

Setup Procedures

System Power On

1. For the DT-C4301X models, a 110V power cable.
2. Hold power cords by the plugs ends only. Refer to Section 2.2 for the location of the power input and power switch.
3. Press the power switch to activate the system. The PWR LED should emit a red light.

BIOS Setup

For most UTC series, the system setup and configuration will be completed by the dealer or system integrator prior to delivery. However, users may still need to access the BIOS setup program to adjust the system configuration, such as the date/ time or hard drive type. The setup program is stored in read-only memory (ROM) and can be accessed following system reset or by pressing the “Del” key after powering on the computer. The settings selected in the setup program are recorded in CMOS RAM memory, which is backed up by a battery to ensure the settings are retained after the system is powered off. When booting up, the system compares the settings stored in CMOS RAM with the POST self test results. If a discrepancy is found, an error message is displayed on screen and users are prompted to run the setup program.

System Software Installation

Recent releases of operating systems from major vendors include setup programs that load automatically and guide users through hard disk preparation and operating system installation. Some distributors and system integrators may have already installed software prior to shipping the product.

Note! *Before software or driver installation, the system must be equipped with additional storage that users must purchase separately.*

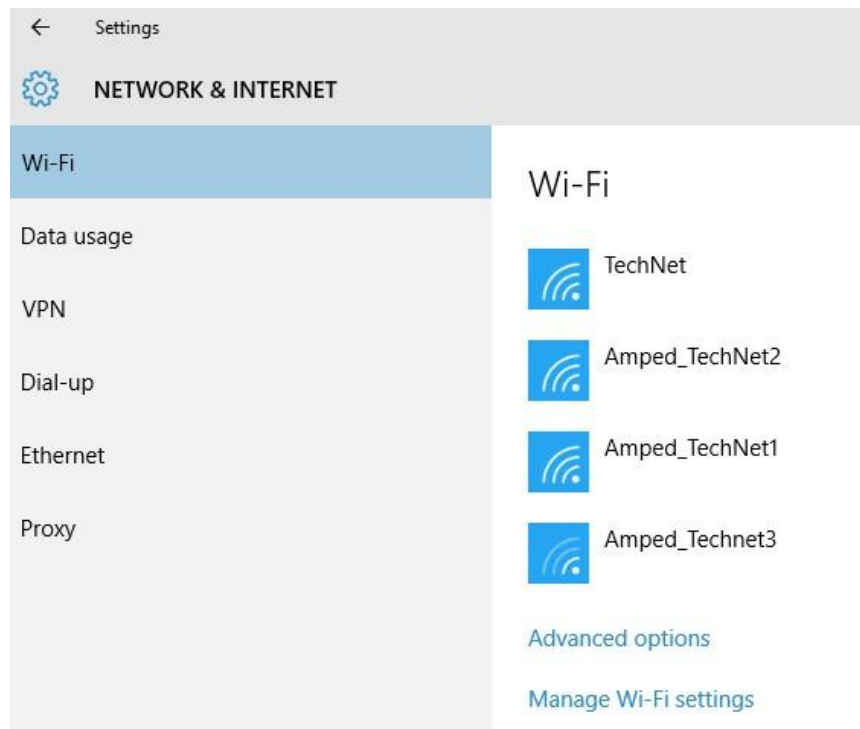


How to Connect to a Wireless Network

When a network is broadcasting its SSID (network name) it will appear in the list of available nearby networks. You can access the list simply by clicking the network icon in the system tray near the clock on the desktop or by using the Setting app to manage your wireless network. If you do not find your network listed, you can easily create a network profile.

More Information

Method 1: Join a network



To join a wireless network, follow these steps:

Open the Network & Internet (press **Windows key + I** to open the Settings app, or move your cursor to the notification area and click on the network icon).

The network icon will list available wireless networks. Select the network you want to **connect** to and then click Connect. You'll also see Network Settings near the bottom of available wireless networks. This will quickly open the Network & Internet. If you opened Network & Internet from the Settings app, the following figure will also appear:

Note: The Wi-Fi option will only be available if you have a wireless network adapter enabled.

Method 2: Manually create a network profile or connect to a hidden network.

To manually configure a wireless network with Windows 10, please follow these steps:

1. Press the **Windows Logo + X** from the Start screen and then select **Control Panel** from the menu.
 2. Open the **Network and Internet**.
 3. Open the **Network and Sharing Center**.
 4. Click the **Set up a new connection or network**.
 5. Select **Manually connect to a wireless network** from the list and click **Next**.
 6. Enter the network name and select the appropriate settings according to your
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network requirements. Then click **Next** to add the network profile. If you need to make a change, you can easily do so in the last step.

7. Click **Close** when you are finished.

You can check the network profile you created. Press **Windows Logo + R** on the keyboard to open the Run box. Type cmd in the box and press Enter to open the Command Prompt.

To see a list of network profiles, type the following and press Enter:

netsh wlan show profiles

To delete a network profile, type the following and press ENTER.

netsh wlan delete profile name=[profile name]

Please verify specifications before quoting. This guide is intended for reference purposes only.

All product specifications are subject to change without notice.

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Warning 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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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:

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- Consult the dealer or an experienced radio/TV technician for help.

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.