

10.1”mPOS DASH/T3 PLUS



User Menu

Series Model No:

[DASH10EB](#)

[DASH10AB](#)

Attention

All other product names or trademarks are the property of their respective owners.

Warning Users:

1. Use of excessive fear of damage to eyesight
2. Use 30 minutes to rest 10 minutes
3. Children under 2 years old do not look at the screen; 2 years old and more than a day to see the screen not more than 1 hours

Global security Announcement

CE Conformity Statement

Radio products with the CE alert marking comply with the R&TTE Directive (1999/5/EC) issued by the Commission of the European Community. Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 60950-1 (IEC60950-1) - Product Safety
- EN 300 328 Technical requirement for radio equipment
- ET S301 489 General EMC requirements for radio equipment

Products that contain the radio transmitter are labeled with CE alert marking and may also carry the CE logo.

FCC Compliance Statement

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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example: use only shielded interface cables when connecting to computer or peripheral devices).

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.

15.21

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment for body-worn configuration in direct contact to the phantom.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

WEEE

EN



Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

NCC Warning

Management methods of low power radio-radiated motor

Fourth, The use of this product should be avoided to affect the vicinity of the radar system operation.

12th, After the type of qualified low power RF motor, without permission, the company, firm or user may not arbitrarily change the frequency, increase power or change the original design features and functions.

14th, The use of a low-power RF motor shall not affect the safety of the flight and interfere with the lawful communication, and should be deactivated immediately upon discovery of interference, and shall be improved to no interference. Legal communication in the preceding paragraph means the radio letter of Operation according to the telecommunication regulations. Low-power RF motors must endure the interference of legitimate communications or industrial, scientific and medical Radio-radiated electrical equipment.

Technical Supporting

1. Advantech website <http://support.advantech.com>, where you can find the latest information about the product.
2. If you need additional help, please contact your reseller, sales representative or Advantech Customer Service Center for technical Support. Before you call, please prepare the following information:
 - Product Name and Serial Number
 - Accessory Description
 - Software Information (OS type , Version , Application etc.)
 - Issue detail description
 - Any error message or detail wordings

Safety Notification

1. Please read these security instructions carefully.
2. Keep this user's manual for future reference.
3. Disconnect this device from the AC power outlet before cleaning. Do not use liquid or spray detergent for cleaning.
4. Keep the equipment away from dangerous areas.
5. Place the equipment on a reliable surface during installation. Falling or falling may cause damage.
6. Do not place this device in an environment where the storage temperature is below -10°C or above 60°C , or the device may be damaged.
7. Make sure that the power supply voltage is correct before connecting the device to the power outlet.
8. Place the AC power transformer where it cannot be trampled. Do not place anything on the power transformer.
9. Note All considerations and warnings on the device.
10. If the device is not in use for a long time, disconnect it from the power supply to prevent instantaneous overvoltage damage to the device.
11. Never pour any liquid into the Msr/ic card reader slot in the DASH/T3 PLUS series. This can cause fire or shock.
12. Do not open or disassemble the device. For security reasons, the device can only be opened by qualified maintenance personnel.
13. If any of the following conditions are true, please check the equipment by the maintenance personnel:
 - a. The power transformer plug is damaged.
 - b. The liquid penetrates into the device.
 - c. The equipment has been exposed to humid environments.
 - d. The device is not working properly or is not working according to the user's manual.

- e. There are obvious signs of breakage in the equipment.

Battery Safety

Notification

1. If you replace the incorrect battery type, there is a risk of explosion.
2. Do not attempt to disassemble the calculator or its attachments.
3. Only qualified personnel are allowed to replace the battery.
4. Do not place the battery in the fire and check with the local authorities for instructions.

DASH/T3 PLUS equipped with standard battery pack only and TCL PR-2770E2N 7,000 mAH Lithium-ion batteries. Use of other batteries may cause a fire or explosion.

Battery Charging Notification

When charging a lithium ion battery pack, be sure to consider the ambient temperature. The method is more effective at normal room temperature or slightly cooler. Be sure to charge the battery within the specified range of 0°c to 40°c. Charging a battery outside a specified range can damage the battery and shorten its charging life cycle.

Storage and security Notifications

Although rechargeable lithium-ion batteries may not be used for several months, their capacity may be depleted due to the build-up of internal resistors. If this happens, they will need to recharge before use. Lithium-ion batteries can be stored at temperatures between 10 °C to 60 °C, but they can be depleted faster near the extreme temperatures of the range. It is recommended that the DASH/T3 Plus be stored in a normal indoor temperature range.



Battery Recycling

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1 Product Introduction


Thank you for purchasing DASH/T3 PLUS computer ◦


DASH/T3 PLUS Series SKU Table

DASH10EB	DASH10AB
4G/64G Windows	4G/64G Android
a/b/g/n/ac	a/b/g/n/ac

The product combines stylish design, reliable performance and powerful functionality to meet your wide range of working requirements. This user's manual outlines the basic information you need to know to set up and use DASH/T3 Plus. If you have any further questions or questions, please contact our technical Support team via our website:

1.1 Common symbols in the manual

	Indicates the information that must be adhered to. This may result in personal injury or damage to the product.
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	Represents information that provides assistance that can help you to use this product more smoothly.
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1.2 Product Function and Feature

- Stylish and functional with only 8.5 mm thickness
- Low power consumption Intel® ATOM™ process for mobile purpose.
- Build-in WLAN/Bluetooth function
- 10.1 “ WXGA TFT IPS LCD Panel and Capacitive 10-point touch supporting
- Micro USB 2.0 port
- [DASH10EB](#) is 4G/64G Windows WiFi a/b/g/n/ac
- [DASH10AB](#) is 4G/64G Android WiFi a/b/g/n /ac

1.3 Packing Content

When you receive DASH/T3 Plus, make sure that all of the following items are in the package. If you are missing any of these items, please contact the distributor immediately.

- DASH/T3 PLUS Computer
- Quick Installation guide
- Power Adaptor

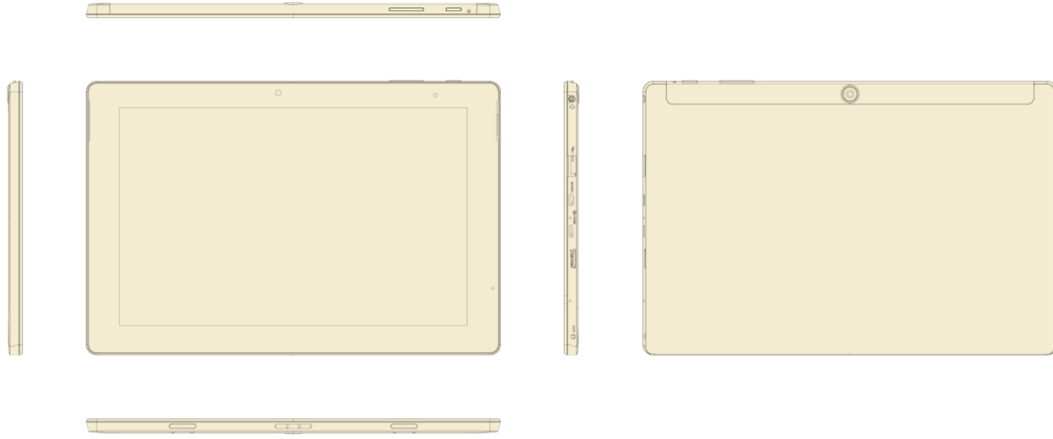
1.4 Product SPEC

1.4.1 Technical SPEC

Product SKU	DASH10EB	DASH10AB
Processor	Intel Cherry Trail Z8350 1.92GHz	
OS	Windows 10	Android6.0
Memory	4GB DDR3L	4GB DDR3L
Storage	64GB eMMC	
Monitor	10.1" 1280x800 IPS ; G+G, 10 points	
Communication Module	WiFi 802.11 a/b/g/n/ac	WiFi 802.11 a/b/g/n/ac
	BT4.0	BT4.0
	G-Sensor, Gyroscope, Light Sensor	
Camera	Rear 5M(AF)	
	Front 2M(FF)	
Button	One Power Button	
	One Volume up/down Button	
LED	Charging: Orange	
I/O	1x DC-IN jack	
	1xAudio jack (3.5mm,2 in1)	
	1x USB 3.0 port	
	1x Micro USB port(USB 2.0)	
	1x Micro HDMI Port	
	1x Micro SD Card Slot	
	1x Pogo Pin(9Pin)	
Environment	Operation Temp.	0 ~35 °C
	Charging Temp.	0 ~35 °C
	Storage Temp.	-10 ~60 °C
	Operation Humidity	0%~85%
Dimension/Weight	W259 x L170 x 8.5mm	
Power	Power Adapter 5V7A	
	Li-ion polymer battery, 3.7v@7000 mAh	

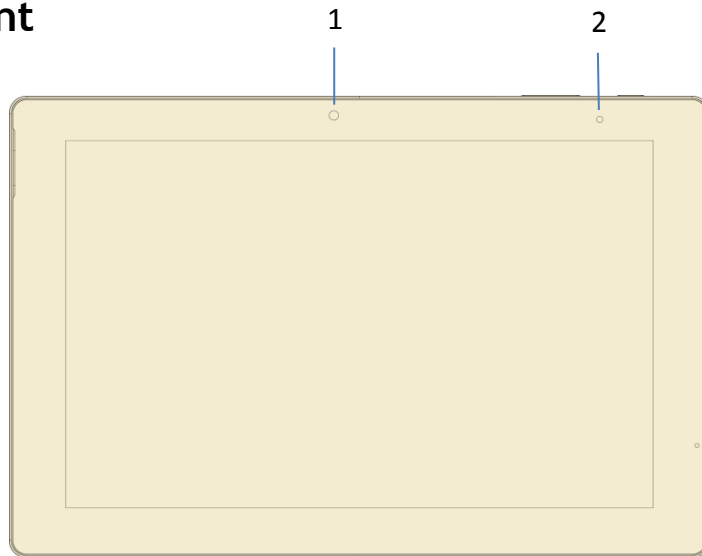
1.4.2 Product Outlooking

DASH/T3 PLUS series are with the same size.



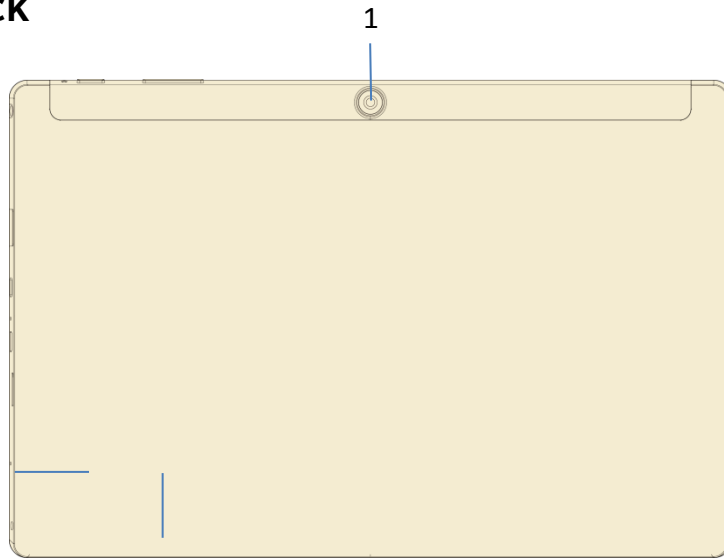
1.5 DASH/T3 PLUS Interface

1.5.1 Front



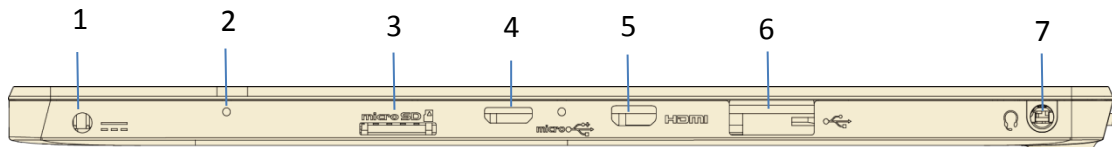
No.	Component
1	Front Camera
2	Light Sensor Module

1.5.2 Back



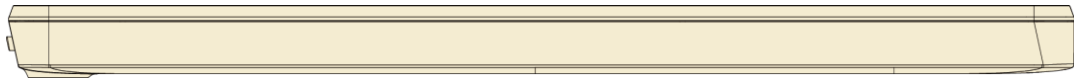
No.	Component
1	Rear Camera

1.5.3 Right



No.	Component
1	Powerhole
2	Microphone
3	Micro SD
4	Micro USB
5	Micro HDMI
6	USB3.0
7	Earphone

1.5.4 Left

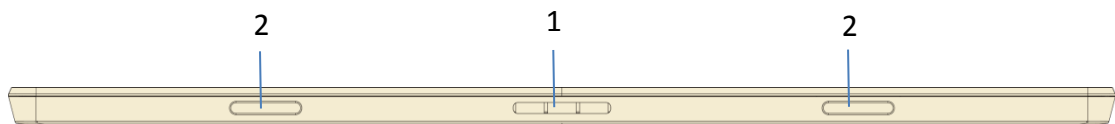


1.5.5 TOP



No.	Component
1	Volume Adjustment
2	Power Button

1.5.6 Bottom



No.	Component
1	Pogo Pin (to contact with Docking)
2	Keyboard Guidepin


2 Starting

2.1 Charging

To recharge the DASH/T3 PLUS 's built-in battery, connect the power supply transformer to the power hole interface on the DASH/T3 PLUS.



Power hole

<p>Note</p> 	<p>Since the battery charge may drop during delivery, please charge at least one hour before starting the first boot.</p> <p>Do not use I/O interface when charging</p>
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2.2 Power On

Continuous Press the power button for more than 3 seconds to open DASH/T3 PLUS.

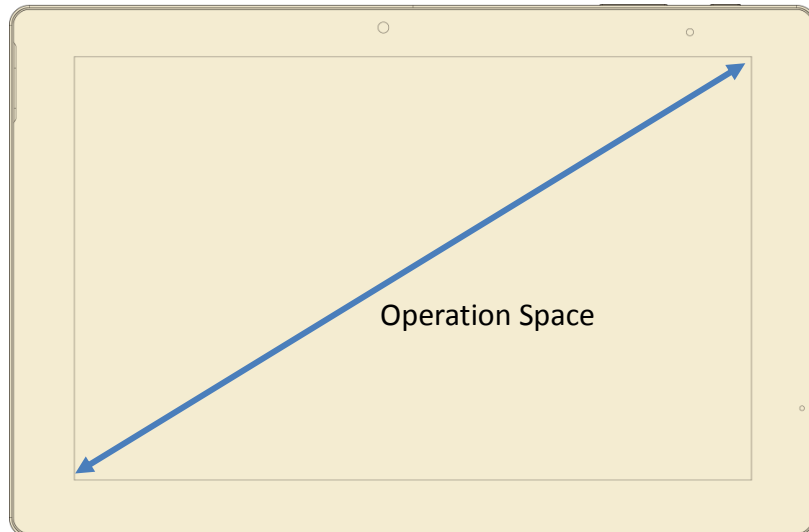


2.3 Standby Mode

When DASH/T3 Plus is running, press the power button for 1 seconds to put the device into standby mode to conserve electricity. The panel backlight is turned off, and the power button is pressed again to enable backlight and resume normal operation.

2.4 Computer Operation

DASH/T3 PLUS is with 10.1” Capacitive Touch Panel ◦ You can contact the panel directly with your finger to manipulate the computer.




2.5 LED Indicator Status


One LED indicator on DASH/T3 PLUS:

Power LED Indicator

DASH/T3 PLUS Power LED indicator is mono color: Orange.

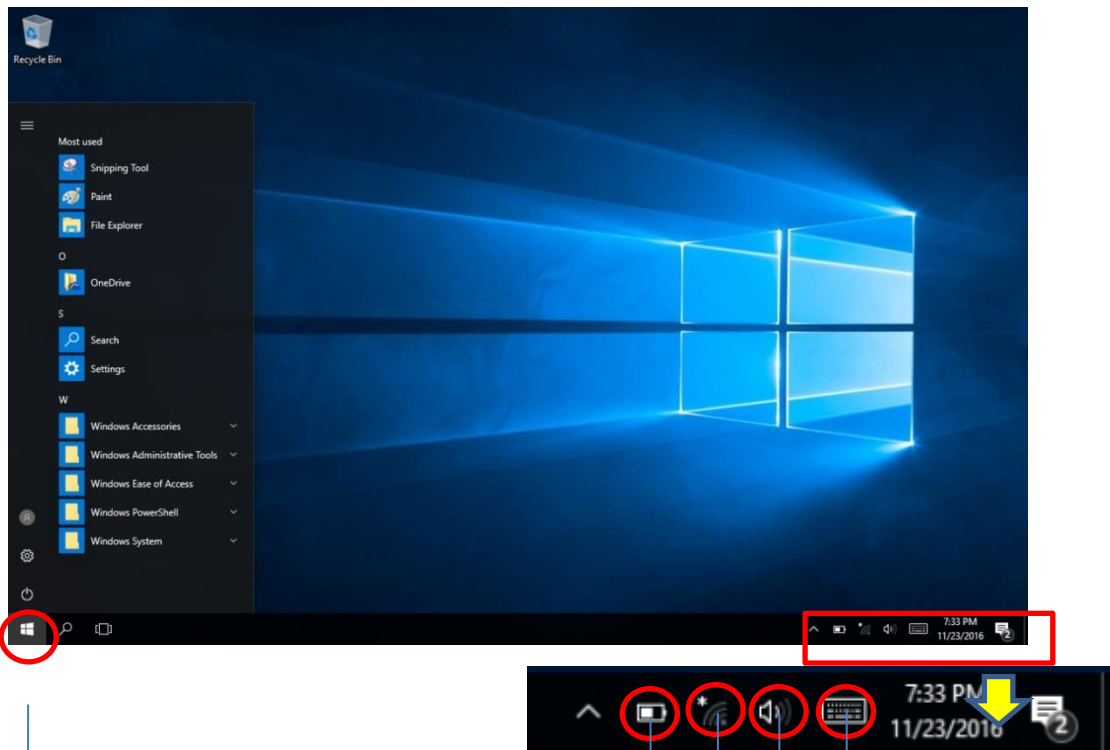
3 Setting

<p>Note</p> 	<p>Wireless base stations must be purchased prior to use of wireless networks. Please contact your wireless network equipment supplier to install and set up a wireless base station.</p>
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<p>Note</p> 	<p>The screenshot attached to this manual is used for reference. The actual screen may vary depending on your operating system or the version of the preinstalled software.</p>
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3.1 Windows 10 IoT Enterprise Setting

Windows 10 IoT Enterprise Main Screen



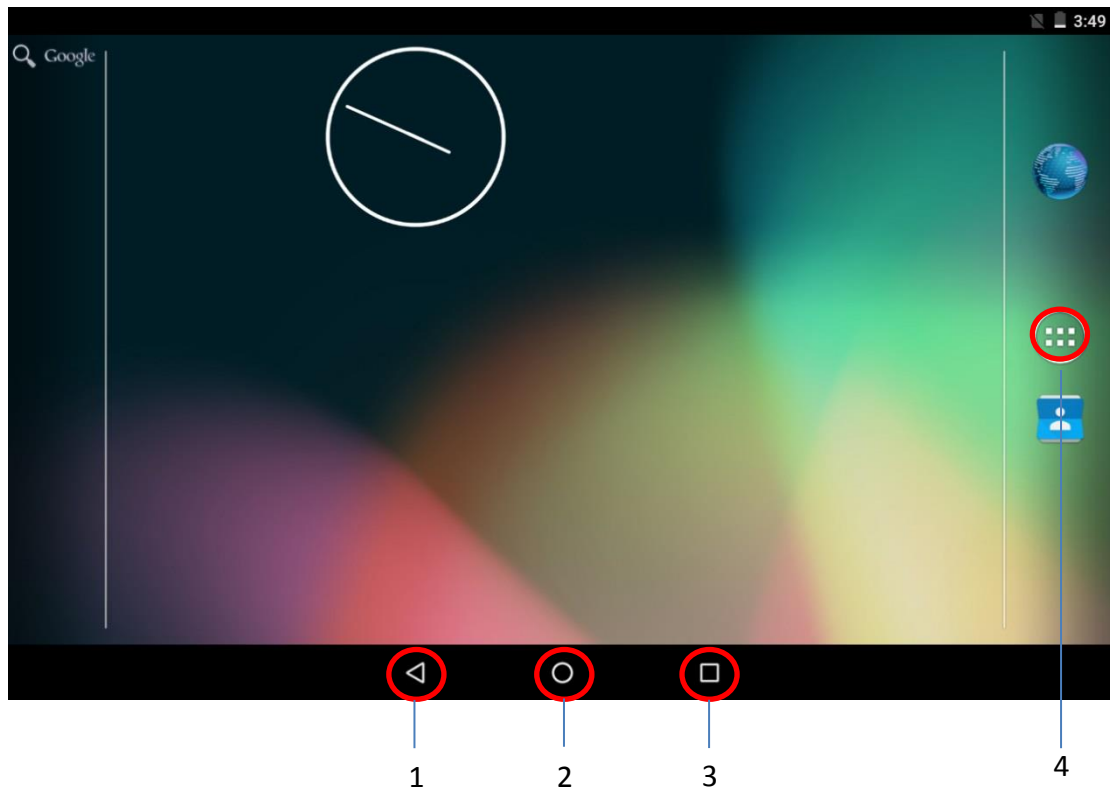
The screenshot shows the Windows 10 IoT Enterprise desktop environment. The Start menu is open on the left, displaying various applications. The taskbar at the bottom contains the Start button (1), search, and task view icons. The system tray on the right contains several icons: a red box highlights the Start button (1) and the system tray area. A yellow arrow points to the system tray area. Below the system tray, five numbered callouts (2-5) point to specific icons: 2 (Network), 3 (Wi-Fi), 4 (Volume), and 5 (Task View). A table below the screenshot lists the functions for these numbered callouts.

No.	Function
1	Start
2	Network
3	Wi-Fi
4	Volume
5	Task View

1	Open Program
2	Battery Status
3	WIFI
4	Volume Adjustment
5	Open Keyboard

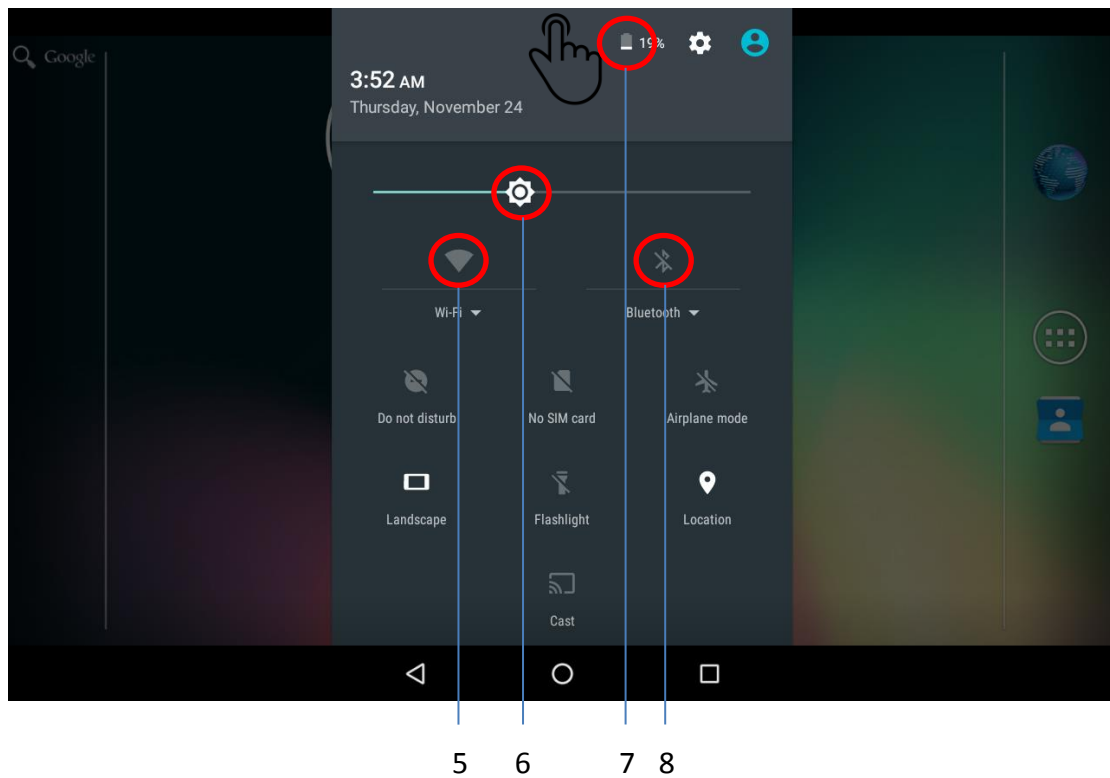
3.2 Android 6.0.1 Setting

Android 6.0.1 Screen



No.	功能
1	Go Back
2	Main Screen
3	Background Program
4	Open Program

Pull out the settings from the top of the screen



No.	Function
5	WiFi
6	Backlight Adjustment
7	Battery Status
8	Bluetooth Setting

4 Application Implement

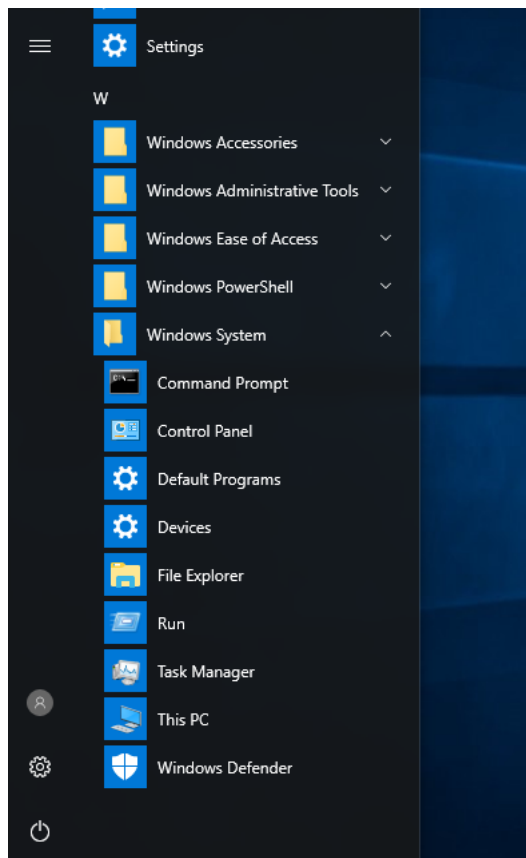
4.1 Application Installation

There are several ways to install applications on DASH/T3 Plus, and this section describes the steps for installing applications via micro SD cards.

1. Please confirm your micro SD card has been formatted as FAT32 file system before installation ◦
2. Copy installation file (Windows : .exe ; Android : .apk) to Micro SD.
3. Open the Micro SD card slot above your computer and put it in the card.

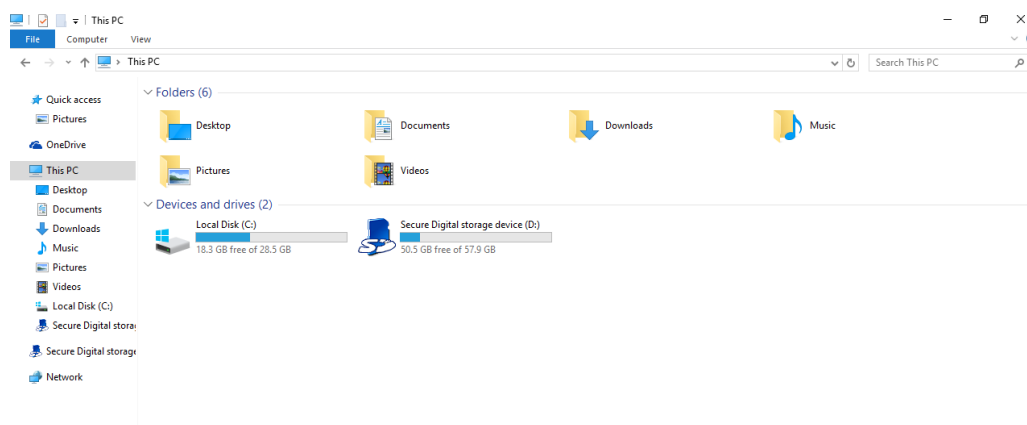


4.1.1 Windows 10 IoT Enterprise OS Installation



a) Open the Start program menu.

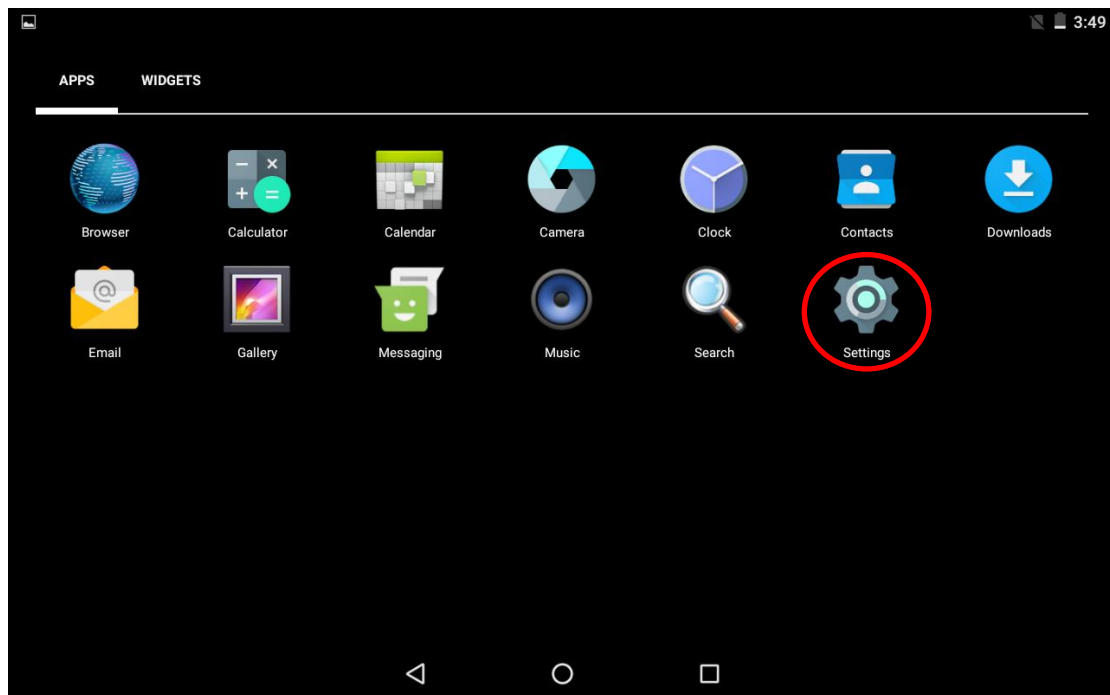
b) Open File Explorer, the content of SD card will show Secure Digital storage device (D:)



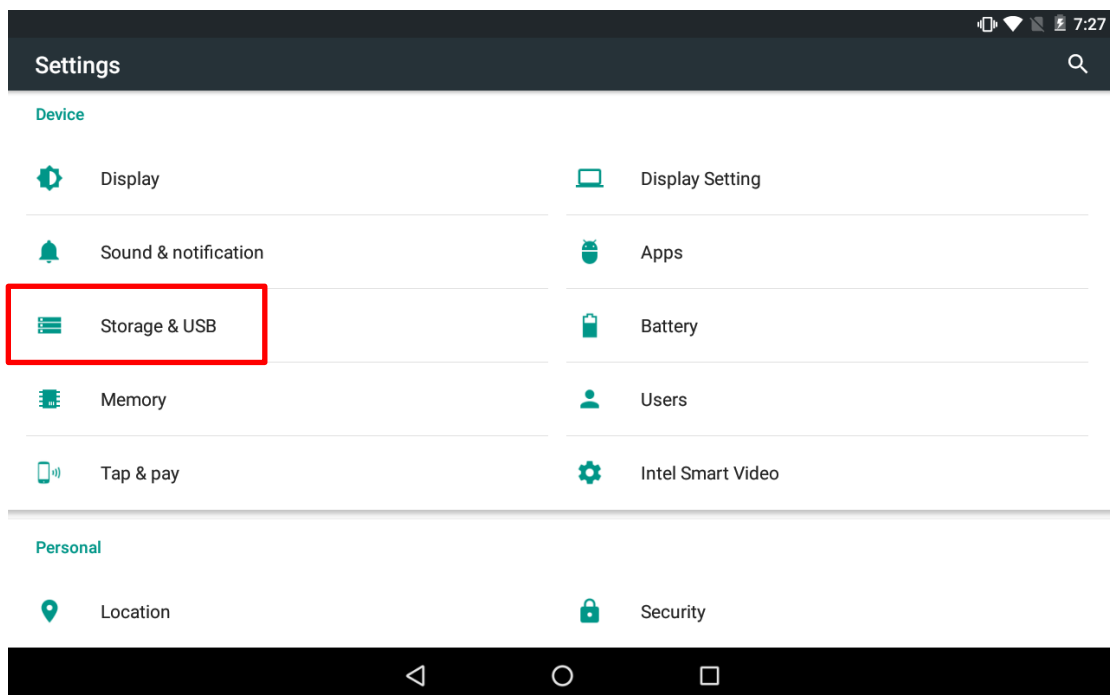
c) Click Secure Digital storage device (D:) you can find .exe

d) Click .exe file to install the application

4.1.2 Android 6.0.1 OS Installation



a) Open Settings



b) Open Storage & USB

c) Select SD Card

Click .apk to install the application

5 Computer Maintenance

5.1 LCD Monitor Maintenance

- Do not rub the screen surface with any hard objects ◦
- Do not spray the liquid directly on the screen, or let excess liquid drip into the device ◦
- Do not put anything on the screen at any time, such as food and drink, so as not to damage the screen ◦
- Clean the LCD screen only with a soft cloth with water ◦

5.2 DASH/T3 PLUS Cleaning

- Turn off the device and unplug the power cable.
- Wipe the screen and exterior with a soft damp cloth. Do not use liquid or aerosol cleaners on the screen, as this will cause the coating to fade and damage the screen ◦

5.3 Trouble Shooting

When the system runs an exception, as in the following conditions:

1. Power not connected.
2. Computer shutdown disable.
3. Power LED indicator is disable while insert DC-in power adaptor.
4. The system does not respond to touch behavior.

If you need assistance, please contact your reseller, sales representative or Advantech Customer Service Center for technical Support. Before you call, please prepare the following information:

- Product name and serial number.
- Describe your perimeter with accessories.
- Description of the software (operating system, version, application software, etc.)
- A complete description of the problem.
- The exact word for any error message.

- Symptom photos or movies (if any).

5.4 ENERGY STAR

An ENERGY STAR qualified computer delivers substantial savings over a conventional computer. Desktop, integrated desktop, and notebook (laptop) computers, workstations, small-scale servers, and thin clients are all eligible to earn the ENERGY STAR, and those that do are now more efficient than ever.

It is an honor for Advantech to provide you such products.

What is ENERGY STAR?

ENERGY STAR is a U.S. Environmental Protection Agency (EPA) voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency.

The ENERGY STAR program was established by EPA in 1992, under the authority of the Clean Air Act Section 103(g). Section 103(g) of the Clean Air Act directs the Administrator to "conduct a basic engineering research and technology program to develop, evaluate, and demonstrate non-regulatory strategies and technologies for reducing air pollution."

In 2005, Congress enacted the Energy Policy Act. Section 131 of the Act amends Section 324 (42 USC 6294) of the Energy Policy and Conservation Act, and "established at the Department of Energy and the Environmental Protection Agency a voluntary program to identify and promote energy-efficient products and buildings in order to reduce energy consumption, improve energy security, and reduce pollution through voluntary labeling of or other forms of communication about products and buildings that meet the highest energy efficiency standards."

For more information, please visit www.energystar.gov

The product is to enter display sleep mode after 4 minutes and computer sleep mode after 10 minutes in default, to wake it from sleep mode, simply press the power button on the back cover, while under sleep mode it allows the device to save 80% or more energy.


Power Management System:

Default mode is on balanced, after idle for 4 minutes, it will automatically shuts its

Monitor and enter sleep mode if idle for more than 10 minutes.

Lists of default power management systems:

<i>Balanced (Default)</i>	<i>Idle 4 min. closes screen, 10 min. enters sleep mode.</i>
<i>High performance</i>	<i>Never idle and never enters sleep mode.</i>

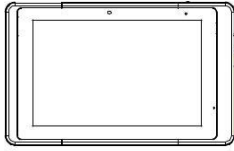
 Note	Screens used in this manual are for illustrative purposes only. Actual screens may vary depending on your product version.
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6 Declaration of the Presence Condition of Restricted Substance

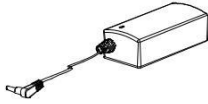
Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱: 電腦		型號(型式): DASH/T3 PLUS (詳細型號列於次頁)					
Equipment name		Type designation (Type)					
單元 Unit	限用物質及其化學符號						
	Restricted substances and its chemical symbols						
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr+6)	多溴聯苯 Polybrominate d biphenyls (PBB)	多溴二苯醚 Polybrominate d diphenyl ethers (PBDE)	相對應排除項目 依據 (D1~D37)
Mother Board	—	○	○	○	○	○	D13,D14,D16 ,D21,D23
Panel	—	○	○	○	○	○	D13,D14,D16
PSU	—	○	○	○	○	○	D13,D14,D16
Chassis (Coat , Internal Fram)	—	○	○	○	○	○	D13, D16
Len Module	—	○	○	○	○	○	D14,D16
Microphone	○	○	○	○	○	○	
備考 1. “超出 0.1 wt %” 及 “超出 0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值 Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.							
備考 2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.							
備考 3. “—” 係指該項限用物質為排除項目。 Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.							

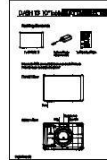
7 DASH/T3 PLUS Docking Installation



1 x 10" DASH/T3 PLUS



1 x Power Supply with power cord

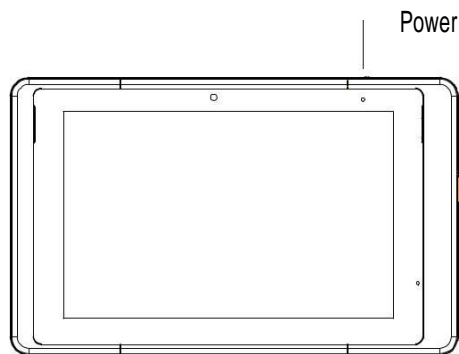


1 x Quick Start Guide

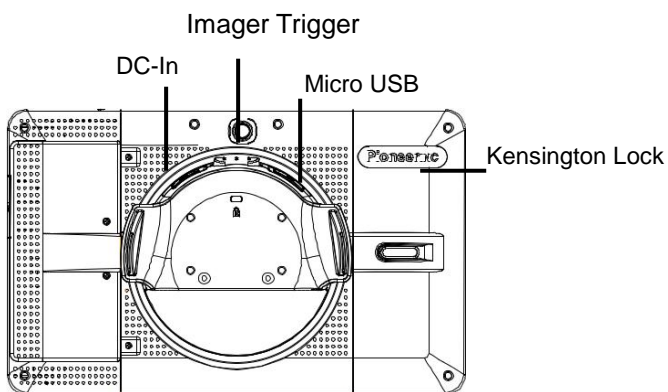
To turn on the DASH/T3 PLUS, press and hold the power button for 3 seconds.

Note: Fully charge the tablet before first use

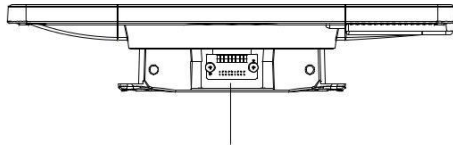
Front View



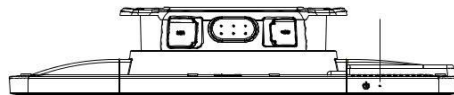
Back View



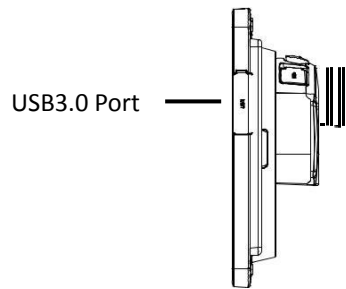
Bottom View



Top View

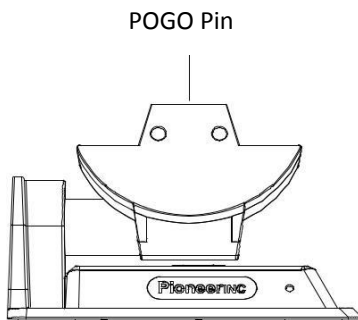


Side View

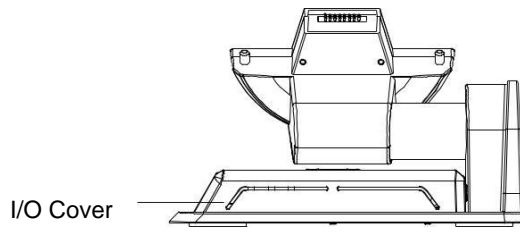


DASH/T3 PLUS Low Profile Docking Base

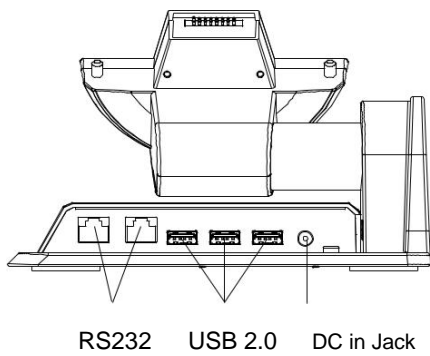
Front View



Back View

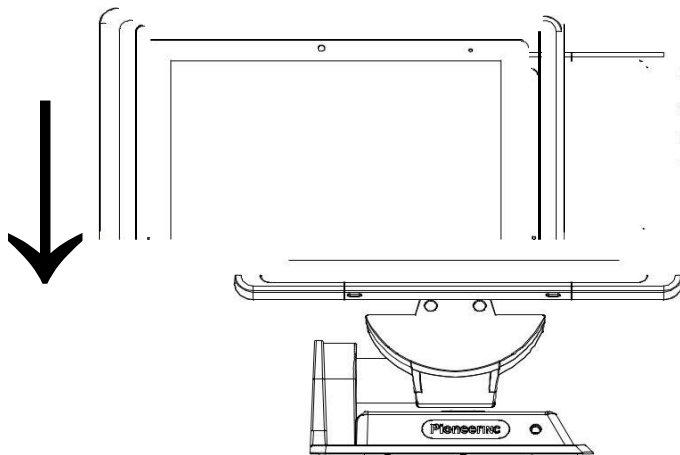


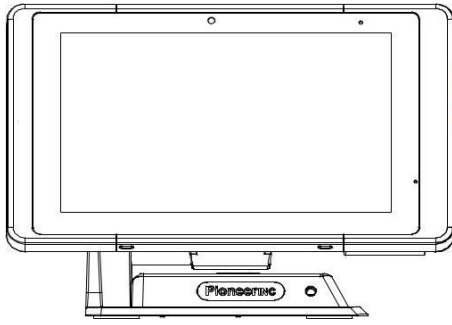
I/O Information



Installation

Lower the tablet onto the base. You should feel a magnetic click once the tablet is seated properly.





Un-installation

To easily remove the tablet from the dock, grip the handle and pull up the tablet.

