

DT313

BASIC OPERATION GUIDE



ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of tablets — the DT313. Featuring a slim, robust enclosure, the DT313 with a 13.3" TFT display is powered by the Intel® Celeron® or Core™ i7 processor, offering optimal combinations of performance and power savings.

The DT313 is available with Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® Embedded Standard 8 or Windows® 8.1 Pro Industry operating systems. Each software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT313
- Capacitive Touch Stylus
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

*The actual package contents may vary depending on the configuration acquired.



Input/ Output Ports

- A USB 3.0 port
- B Microphone-in
- C Headphone-out
- D DC-in
- E Full-slot smart card reader

Button Functions

BUTTON	ACTION
1	programmable button
2	power button
3	Wi-Fi switch

- Blue indicates the battery is 25% to 100% charged
- Blinking blue indicates the battery is charging
- Orange indicates that the battery is between 11% to 25%
- Blinking Orange indicates that the battery is below 10%

Precautions

- Always exercise care when operating and handling the DT313.
- Do NOT apply excessive pressure to the display screen.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the DT313 should face away from direct light to reduce glare.
- If the AC-DC power adapter is used to recharge or power the tablet, do NOT use any AC-DC adapter other than the one provided or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power off the DT313 and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT313, as this will void the warranty.

THE DT313

Basic Features

The DT313 wireless tablet integrates a bright and multi-touch display, one USB port, and embedded networking elements such as wireless LAN and Bluetooth. A DT313 typically integrates an 802.11a/b/g/n/ac wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT313 does not come with such a network adapter, please consult your device provider to establish the desired network connectivity

OPERATION

Internal Battery

Warning! 

The Internal battery pack should only be replaced by an authorized DT Research service representative. Please contact your product and/or service provider for internal battery replacement service.

Powering ON and OFF

To activate the DT313, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT313 in Standby mode, push and quickly release the Power Button. To turn the DT313 off for extended storage, power off safely using any software function that "shuts down computer" provided in the software operating system.

NOTE:

The battery packs shipped with your tablet may be low in power—please use the AC-DC adapter with the DT313 when setting up for the first time to fully charge the internal battery pack. You may charge the external battery pack with it attached to the DT313, or with the optional external battery charger kit.

NOTE:

When the battery pack(s) is (are) charging, the blue-colored Battery LED should blink slowly. If plugging in the AC-DC adapter does not trigger this blinking activity and the LED stays dark, the battery pack(s) may have been drained substantially. Try unplugging/ replugging the AC-DC adapter to the DT313 a few times to activate the charging process.

NOTE:

To conserve power, use (push and quick release) the Power Button to put the tablet in "Standby" mode while not in use. Pushing briefly on the same button will wake up the system within seconds.

NOTE:

Avoid using the Power Button ("hold 4+ seconds" feature) to turn off the tablet—this form of hardware shutdown is intended to be a means of recovery from lockups, and not as normal operation.

If the power up (from Standby or otherwise) is successful, the appropriate interface will be displayed after a launch sequence of several seconds. The wireless LAN connection may take 10-15 seconds to be established.

Configuring the Mobile Tablet

The DT313 may be configured using the utilities and methods dictated by the software operating system. The DT313 should be configurable for various properties such as user profiles, network features, and several system elements.

Wireless Networking

Wireless LAN

The DT313 is often delivered with an embedded (user-inaccessible) 802.11a/b/g/n/ac WLAN adapter equipped with a hidden custom antenna.

- Contains TX FCC ID: YE3600C
- Through the support of typical WLAN adapters, the DT313 should be able to detect all 802.11 access points in the vicinity for you to select the access point of your choice for connection.
- The SSID and WEP/WPA/WPA2 (if enabled) parameters on the DT313 and the access points have to match. The SSID is case-sensitive and it is recommended that you enable WEP/WPA/WPA2 encryption (or advanced alternatives) for secure access.
- When WEP/WPA/WPA2 is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings such as Authentication mode, etc.
- Refer to the access point operating manuals for setting up the 802.11 access points.

The DT313 is with the Bluetooth module supporting Bluetooth 4.0 standard including Bluetooth 3.0 High Speed and Bluetooth 4.0 Low Energy (BLE), which delivers faster speeds (up to 300 Mbps) with low power consumption.

USING THE MOBILE TABLET

Peripherals Support

Through its USB port, the DT313 supports a wide range of USB-based peripherals. These peripherals are applicable for software installation, applications storage, data storage, and system software recovery and updates. DT313 is also compatible with custom mountable cradle options. These securable and mountable cradles provide an interface to VESA mounts and arms, and to ports that may include USB, Ethernet, and pass-through power.

Remote Management

Depending on software configuration, the DT313 can be centrally managed for asset monitoring and for software control. Please consult your device provider.

For More Support

Users can download the Tablet Modules Basic Operation Guides from the DT Research website.



To Hold the Tablet

Left hand: grip the left back side of the tablet with your left hand four index fingers, with thumb resting on the top of the back side of the tablet and palm securely against the back.

Right hand: grip the right back side of the tablet with your right hand four index fingers, with thumb resting on the top of the back side of the tablet and palm securely against the back.

Federal Communication Commission Interference

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 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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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 device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

Specifications:

System	
CPU	Intel® Core™ i7, 1.8GHz
RAM	Up to 16GB DDR3L
Storage	32GB to 512GB flash
Operating System	Microsoft® Windows® Embedded Standard 7, 7 Professional, Embedded 8 Standard or 8.1 Pro Industry
Display	13.3" LED-backlight screen with capacitive touch
Display Resolution	1920 x 1080 (Full-HD)
Network Interface	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band; Bluetooth 4.0 LE
Control Switch and Buttons	1 power button, 1 programmable button and 1 Wi-Fi switch
Indicator	1 power/ battery status LED
Microphone	Microphone with DSP for video conference call
Speaker	2W built-in speaker
I/O Ports	
USB port	1 USB 3.0
Audio Jack	2
DC-in	1
SD Slot	1 full size SD card slot
Smart Card Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card
Mechanical	
AC/DC Adapter	Input: 100 – 240V AC; Output: 19V DC, 6.51A
Battery Pack	Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh
Enclosure	ABS + PC plastics
Stylus	Yes, capacitive touch stylus
Protective Grips	Rubber bumpers on each corner with handstrap for handling protection
Dimensions (H x W x D)	8.5 x 13.5 x 0.75 in/ 216 x 344 x 18.9mm
Weight	3.31 lbs/ 1.5 kg
Environmental	
Water and Dust Resistance	IP54 front panel
Regulatory	FCC Class B, CE, RoHS compliant
Operating Temperature	Operation: 0°C - 50°C; Storage: -20°C - 60°C
Humidity	0% – 90% non-condensing



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