

Caution:

Disposal of a battery into fire or a hot oven, or mechanically

crushing or cutting of a battery, that can result in an explosion.

Leaving a battery in an extremely high temperature surrounding

environment that can result in an explosion or the leakage of flammable.

## DT Research Mobile Tablet



### BASIC OPERATION GUIDE

# 316T

### INTRODUCTION

Thank you for acquiring the 316T, part of DT Research's line of Mobile Tablet. Featuring a slim, robust enclosure, the 316T with a 15.6" TFT display is powered by the Intel® processor, offering optimal combinations of performance and power savings.

The 316T is available with Microsoft® Windows® or Ubuntu operating system. Each software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

### PACKAGE CONTENTS

- One 316T with Battery Pack and HandstrapF
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide



## Input/ Output Ports

**A** USB 3.0 Port

**B** Headphone-out

**C** Ethernet Port

**E** DC-in

## Button Functions

BUTTON	ACTION
<b>1</b>	Programmable Button
<b>2</b>	Power Button
<b>3</b>	Battery Latch

## Power/Battery LED Status:

- 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 316T.
- Do NOT apply excessive pressure to the display screen.
- We recommend using the Digital Pen (optional) to keep the screen clean.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the 316T 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 316T and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the 316T, as this will void the warranty.

## BASIC FEATURES

The 316T wireless tablet integrates a bright and multi-touch display, one USB port, and embedded networking elements such as wireless LAN and Bluetooth. The 316T is complemented by a suite of accessories, including battery expansion, charging cradles, and battery charger kit, for a comprehensive user experience.

A 316T typically integrates an 802.11ax wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your 316T does not come with such a network adapter, please consult your device provider to establish the desired network connectivity.

## OPERATION

### Powering ON and OFF

To activate the 316T, push and quickly release the Power Button. The display will come on in a few seconds. To put the 316T in Standby mode, push and quickly release the Power Button. To turn the 316T 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 316T 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 316T, or with the optional external battery charger kit.

#### NOTE:

When the battery pack is 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 may have been drained substantially. Try unplugging/ replugging the AC-DC adapter to the 316T 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.

### Start Up

If the power up (from Standby mode 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 316T may be configured using the utilities and methods dictated by the software operating system. The 316T should be configurable for various properties such as user profiles, network features, and several system elements.

### Wireless Networking

#### Wireless LAN

The 316T is often delivered with an embedded (user-inaccessible) 802.11ax WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the 316T 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 316T 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.

#### Bluetooth

The 316T offers the Bluetooth module which supports Bluetooth 5.0 standard including Bluetooth 3.0 High Speed and Bluetooth 4.0 Low Energy, which delivers faster speeds with low power consumption.

## USING THE MOBILE TABLET

### Peripherals Support

Through its USB port, the 316T 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.

### For More Support

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

The equipment is only suitable for mounting at heights  $\leq 2$  m.

The band 5150-5350 MHz for this device are restricted to indoor use only.

### RF Exposure Compliance

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

Cet appareil a été testé pour des opérations typiques portées sur le corps. Pour se conformer aux exigences d'exposition RF, une distance de séparation minimale de 0 mm doit être maintenue entre le corps de l'utilisateur et le combiné, y compris l'antenne. Les clips de ceinture, les étuis et les accessoires similaires tiers utilisés par cet appareil doivent ne contenir aucun composant métallique. Les accessoires portés sur le corps qui ne répondent pas à ces exigences peuvent ne pas conformes aux exigences d'exposition RF et doivent être évités. Utilisez uniquement le produit fourni ou approuvé antenne.

### Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name:



Model No.: 316T

Responsible Party – U.S. Contact Information

DT Research, Inc.

2000 Concourse Drive, San Jose, CA 95131

<http://www.dtresearch.com>

### 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.

IC Compliance Statement

- English:  
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

- French:  
Le present appareilest conforme aux CNR d'Industrie Canada applicables aux appareils radio  
exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:(1) l'appareil ne  
doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage  
radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information (RED)

To be protected against all verified adverse effects, the separation distance of at least 0m must be maintained between the antenna of the radio having max. 4.1dBi antenna and all persons.

Hereby, [DT Research, Inc.] declares that the radio equipment type [316T] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.dtresearch.com>.



Maximum EIRP for EU

Bluetooth:2402MHz-2480MHz	10.44dBm
Bluetooth LE:2402MHz-2480MHz	7.09dBm
Wifi: 2412MHz-2472MHz/2422MHz-2462MHz	18.49dBm
Wifi: 5150MHz-5725MHz	19.05dBm
Wifi: 5725MHz-5875MHz	13.92dBm