



BASIC OPERATION GUIDE

DT382WH

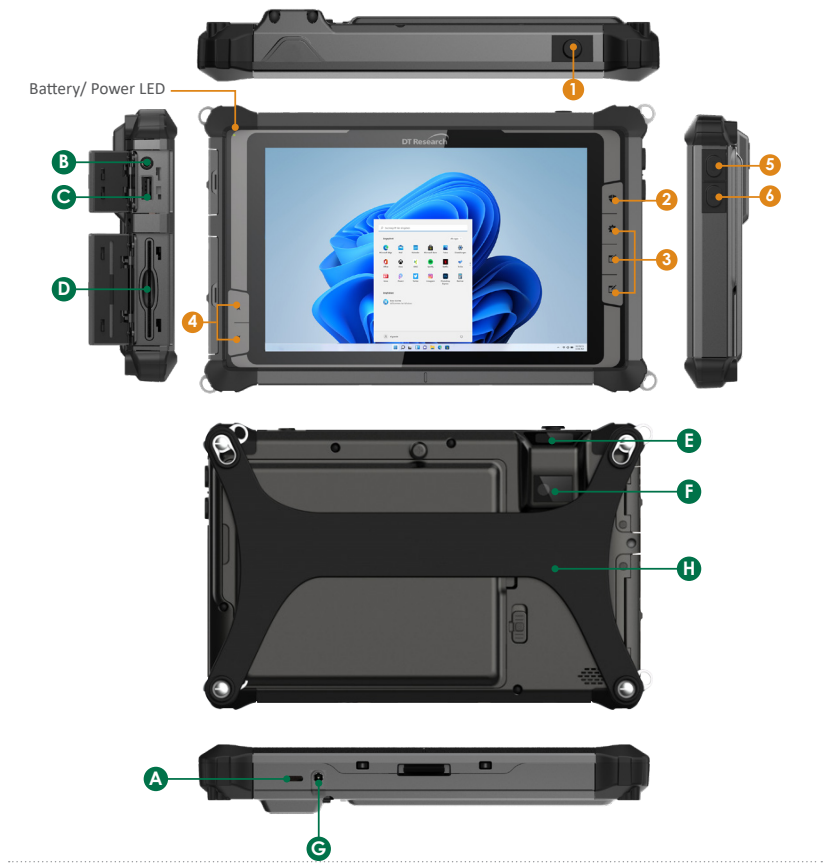
INTRODUCTION

Thank you for acquiring the DT382WH, part of DT Research's line of Rugged Tablets. Featuring a slim yet robust enclosure, the DT382WH with 8" high brightness TFT display is powered by the Intel® N350 processor, offering optimal combinations of performance and power savings. The DT382WH is available with Microsoft® Windows® operating system. The software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT382WH
 - One Battery Pack and Handstrap
 - AC-DC Power Adapter
 - Basic Operation Guide
- * The actual package contents may vary depending on the configuration acquired.

The DT382WH



Input/Output Ports

A	USB Type-C Port (power input)
B	Audio Jack
C	USB Port
G	DC-in Jack

Data Capture Modules

D	Smart Card Reader or Standard SD Card Reader (optional)
E	Barcode Scanner (optional)
F	Back Camera (optional)
H	NFC/ RFID Reader/ UHF RFID Reader (optional)

Button Functions

BUTTON	ACTION
1	Power Button
2	Windows Key Button
3	Programmable Buttons
4	Brightness Control Buttons
5	RFID Reader Trigger Button/ Programmable Button
6	Barcode Scanner Trigger Button/ Programmable Button

PRECAUTIONS

- Always exercise care when operating and handling the DT382WH
- Do not disassemble any portion of the DT382WH, as this will void any product warranty.
- Do not use any power adapter or charging cradle other than the one provided with the tablet or acquired from the manufacturer or its partners.
- In the unlikely event that abnormal noise, strange odor, or smoke is present, immediately power down the DT382WH and disconnect all power sources. Please report the problem to your device provider immediately.

OPERATION

Powering ON and OFF

To activate DT382WH, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT382WH in standby mode, push and quickly release the Power Button. To turn the DT382WH 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 DT382WH when setting up for the first time to fully charge the battery pack.

NOTE:

To conserve power, push and quick release the Power Button to make the tablet in standby mode while not in use. Pushing briefly on the same butt on will wake up the system.

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(s) may have been drained substantially. Unplug/replug the AC-DC adapter to the DT382WH a few times to activate the charging process.

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.

Wireless Networking

Wireless LAN

The DT382WH is often delivered with an embedded (user-inaccessible) 802.11ac LAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the DT382WH 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 DT382WH 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.

Data Capture Module Operation Guide

If your DT382WH comes with an RFID Reader refer to the steps below to configure the settings.

UHF RFID Reader:

The optional UHF RFID reader supports EPC Gen2V2 and ISO 18000-63 standard. To develop an application to use the UHF RFID reader, contact your device provider for a UHF RFID reader API package

NOTE:

To ensure the system performance, turn on only the symbologies you are going to use.

For More Support

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

The Slim Detachable Keyboard

The optional detachable keyboard enables secure and ergonomic use of the DT382WH tablet in vehicles or forklifts, ensuring stability and ease of operation.



Installation

- 1 Insert the bottom part of the Tablet into the Mini Keyboard cradle first with the connector parts correctly lined up.

Note: Battery or external power supply is not required to use the Keyboard.



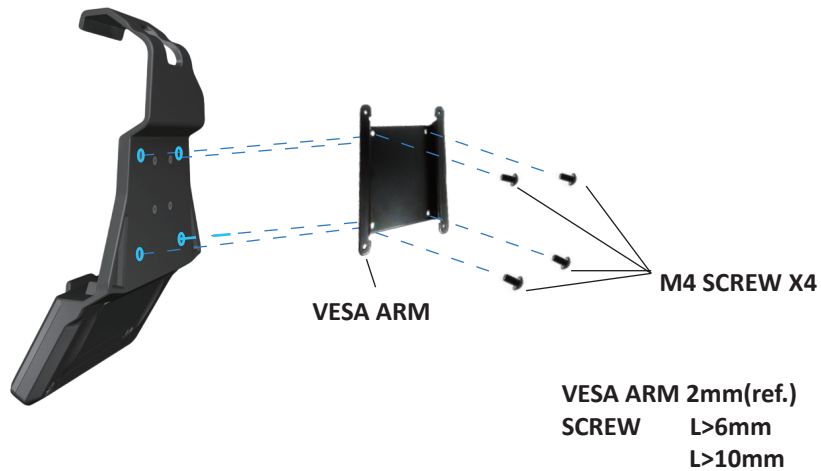
- 2 When the bottom of the Tablet is in place, push the Tablet against the back and into the Cradle.



OPERATION

Mounting the Keyboard

The Tablet Mount Keyboard supports VESA standard mounting options (75 mm x 75 mm or 100 mm x 100 mm) so it can be easily attached onto a wall, in a vehicle, and on a VESA arm.



NOTE: If using a 100 x 100 VESA stand or arm, the VESA Conversion Bracket is needed. Please place the VESA Conversion Bracket on the back side of the keyboard, and apply the four M4 screws.

NOTE:

- DO NOT carry around the DT382WH rugged tablet when operating.
- DO NOT use the DT382WH rugged tablet when it is not properly mounted onto the pole/vehicle mount cradle.



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 liquid or gas.

RF Exposure Information (RED & UKCA)

To be protected against all verified adverse effects, the separation distance of at least 0mm must be maintained between the antenna of the radio having max. 4.0dBi antenna and all persons.

Hereby, [DT Research, Inc.] declares that the radio equipment type [DT382WH] is in compliance with Directive 2014/53/EU and UK Radio Equipment Regulations 2017. The full text of the EU and UK declaration of conformity is available at the following internet address: <http://www.dtresearch.com>.

The functions of Wireless Access Systems including Radio Local Area Networks(WAS/RLANs) within the band 5150-5350 MHz and 5945-6425MHz for this device are restricted to indoor use only within all European Union countries (BE/BG/CZ/DK/DE/EE/IE/EL/ES/FR/HR/ IT/CY/LV/LT/LU/HU/MT/NL/AT/PL/PT/RO/SI/SK/FI/SE/TR/N O/CH/IS/LI/UK(NI)).

Maximum EIRP for EU

Bluetooth:2402MHz-2480MHz	17.44dBm
Bluetooth LE:2402MHz-2480MHz	16.36dBm
Wifi: 2412MHz-2472MHz/2422MHz-2462MHz	17.37dBm
Wifi: 5150MHz-5725MHz	17.44dBm
Wifi: 5725MHz-5875MHz	13.60dBm
Wifi: 5925MHz-6425MHz	17.12dBm
LTE Band 1: 1920-1980MHz/2110-2170MHz	23.5dBm
LTE Band 3: 1710-1785MHz/1805-1880MHz	23.0dBm
LTE Band 7: 2500-2570MHz/2620-2690MHz	23.5dBm
LTE Band 8: 880-915MHz/925-960MHz	23.0dBm
LTE Band 20: 832-862MHz/791-821MHz	23.0dBm
LTE Band 28: 703-748MHz/758-803MHz	23.0dBm
LTE Band 38: 2570-2620MHz/2570-2620MHz	23.5dBm
LTE Band 42: 3400-3600MHz	23.0dBm
LTE Band 43: 3600-3800MHz	23.0dBm

This equipment complies with Directive 2014/53/EU and UK Radio Equipment Regulations 2017 radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by European Union market(France). These requirements set a SAR limit of 2W/kg averaged over one gram of tissue. The highest SAR value 1.81 W/kg reported under this standard during product certification for use when properly worn on the body.

The equipment has been tested with radios set to their highest transmission levels with following setup:

Mode	use against the head	worn or carried against the torso of the body	Worn on limbs
Separation	/	0 mm	/
SAR Value	/	1.81 W/kg	/
Sar Limit	2W/kg (over 10 g)	2W/kg (over 10 g)	4W/kg (over 10 g)

Body-worn accessories (e.g., carry case, belt clip) containing metallic components which has not been tested or certified may change the RF performance of the device, including its compliance with RF exposure. User shall avoid using such accessories and should operate at least the above stated separation distance to maintain RF exposure compliance.



Operating authorizations must exist to operate the product in the following member states of the European Union, refer to the table below.

AT	BE	BG	CH	CY
CZ	DE	DK	EE	EL
ES	FI	FR	HR	HU
IE	IS	IT	LI	LT
LU	LV	MT	NL	NO
PL	PT	RO	SE	SI
SK	TR	UK(NI)		



Importer Name: Concept International GmbH

Importer Address: Zweibrückenstr. 5-7 80331 München Germany

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.

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.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the FCC. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body, with 00mm separation.

FCC ID Label is in removable battery compartment, it could be easily found by removing the battery cover.

Indoor Client 6XD statement

1. FCC regulations restrict the operation of this device to indoor use only.
2. The device will only associate and connect with a low-power indoor access point or subordinate device and never directly connect to other client devices.
3. The device will always initiate transmission under the control of a low-power indoor AP or subordinate except for brief transmissions before joining a network. These short messages will only occur if the client has detected an indoor AP or subordinate operating on a channel. These brief messages will have a time-out mechanism such that if it does not receive a response from an AP it will not continually repeat the request.
4. transmissions will be lower or equal to the power advertised by the indoor low-power access point or subordinate and never above the maximum output power allowed by the FCC grant for equipment class 6XD.
5. Prohibited for control of or communications with unmanned aircraft systems, including drones.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name:

Model No.: **DT382WH**



Responsible Party – U.S. Contact Information

DT Research, Inc.

2000 Concourse Drive, San Jose, CA 95131

<http://www.dtresearch.com>

IC Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
 - (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé.

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.

RF Exposure Compliance

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body, with 00mm separation.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

Le dispositif portable est conçu pour répondre aux exigences d'exposition aux ondes radio établie par le développement énergétique DURABLE. Ces exigences un SAR limite de 1,6 W/kg en moyenne pour un gramme de tissu. La valeur SAR la plus élevée signalée en vertu de cette norme lors de la certification de produit à utiliser lorsqu'il est correctement porté sur le corps, avec une séparation de 00mm.

The functions of Wireless Access Systems including Radio Local Area Networks(WAS/RLANs) within the band 5150-5250 MHz for this device are restricted to indoor use only.

Les fonctions des systèmes d'accès sans fil, y compris les réseaux locaux radioélectriques (WAS/RLAN), dans la bande 5150-5250 MHz de cet appareil sont limitées à une utilisation en intérieur.

IC Wi-Fi 6E Statement:

a. Devices shall automatically stop transmitting if there is an absence of information to transmit or an operational failure. Note that the intention is not to prohibit either the transmission of control or signalling information, or the use of repetitive codes, where one or both are required by the technology. An explanation of how transmitting is stopped shall be included in the certification filing.

b. Devices shall not be used for control of or communications with unmanned aircraft systems.

c. Devices shall not be used on oil platforms.

d. Devices shall not be used on aircraft.

e. Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres(10,000 feet).

f. Except for very low-power devices, devices shall not be used on trains.

g. Except for very low-power devices, devices shall not be used on maritime vessels.

h.Except for very low-power devices, devices shall not be used on automobiles.

i. Client devices shall not be capable of initiating a network.

j. Low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band may be used on large aircraft, as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).

a. Les dispositifs doivent automatiquement cesser de transmettre s'il n'y a pas d'informations à transmettre ou s'il y a une défaillance opérationnelle. Il convient de noter que l'intention n'est pas d'interdire la transmission d'informations de contrôle ou de signalisation, ou l'utilisation de codes répétitifs, lorsque l'un ou l'autre est requis par la technologie.

répétitifs, lorsque l'un ou l'autre ou les deux sont requis par la technologie. Une explication de la manière dont la transmission est interrompue doit être incluse dans le dossier de certification.

b. Les dispositifs ne doivent pas être utilisés pour contrôler les systèmes d'aéronefs sans pilote ou pour communiquer avec eux.

c. Les dispositifs ne doivent pas être utilisés sur des plates-formes pétrolières.

d. Les dispositifs ne doivent pas être utilisés sur des aéronefs.

e. Les dispositifs ne doivent pas être utilisés à bord des aéronefs, à l'exception des points d'accès intérieurs de faible puissance, des dispositifs subordonnés intérieurs, des dispositifs clients de faible puissance et des dispositifs de très faible puissance fonctionnant dans la bande 5925-6425 MHz, qui peuvent être utilisés à bord des grands aéronefs, tels que définis dans le règlement de l'aviation canadienne, lorsqu'ils volent à plus de 3 048 mètres (10 000 pieds).

- f. À l'exception des dispositifs de très faible puissance, les dispositifs ne doivent pas être utilisés dans les trains.
- g. À l'exception des dispositifs de très faible puissance, les dispositifs ne doivent pas être utilisés sur les navires maritimes.
- h. À l'exception des dispositifs de très faible puissance, les dispositifs ne doivent pas être utilisés sur les automobiles.
- i. Les dispositifs clients ne doivent pas être en mesure d'initier un réseau.
- j. Les points d'accès intérieurs de faible puissance, les dispositifs subordonnés intérieurs, les dispositifs clients de faible puissance et les dispositifs de très faible puissance fonctionnant dans la bande 5925-6425 MHz peuvent être utilisés à bord de grands aéronefs, tels que définis dans le Règlement de l'aviation canadien, lorsqu'ils volent à plus de 3 048 mètres (10 000 pieds) d'altitude.

RSS-Gen Issue 5 April 2018 Amendment 2 (February 2021) section 6.8:

This radio transmitter [IC:FSCBT909C] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna Type	Impedance	Antenna Gain
PCB Antenna	50 Ω	2dBi
2.4G Terminal Antenna4	50 Ω	10dBi

RSS-Gen Numéro 5 Avril 2018 Modification 2 (février 2021) section 6.8 :

Cet émetteur radio [IC:FSCBT909C] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes énumérés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antennes qui ne figurent pas dans cette liste et dont le gain est supérieur au gain maximal indiqué pour tout type énuméré sont strictement interdits pour une utilisation avec cet appareil.

Type d'antenne	Impédance	Gain d'antenne
Antenne PCB	50 Ω	2dBi
Antenne terminale 2.4G	50 Ω	10dBi

RSS-247 Issue 3, August 2023 section 6.4 c):

- ii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate;

RSS-247 Numéro 3, août 2023 section 6.4 c) :

- ii. pour les appareils équipés d'antennes amovibles, le gain maximal autorisé pour les appareils dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être tel que l'équipement reste conforme à la limite de p.i.r.e. ;
- iii. pour les appareils équipés d'une ou plusieurs antennes amovibles, le gain d'antenne maximal autorisé pour les appareils dans la bande 5725-5850 MHz doit être tel que l'équipement reste conforme aux limites de p.i.r.e. appropriées ;