DT Research Mobile Tablet

DT395CR

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of mobile tablets— the DT395CR. Featuring a slim yet robust enclosure, the two-pound DT395CR with 8.9"TFT display is powered by the Intel® Atom™ quad core processor, offering optimal combinations of performance and power savings.

The DT395CR is available with Windows® operating system. Each software operating system features web browser, client/server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- DT395CR with Internal Battery Pack, Stylus and Bumpers
- AC-DC Power Adapter with Power Cord
- Handstrap
- Basic Operation Guide

DT395CR:

Input/ Output Ports

A	Barcode Scanner (optional)
B	Headphone Jack
C	USB Port
D	DC Power Input
E	Camera (optional)
F	LAN and HDMI-in (optional)
G	LAN and 6-pin lockable connector for EIA/RS-232/422/485 (adapter cable required) (optional)

Button Functions

BUTTON	ACTION
1	Programmable button without the scanner module As scanner trigger when equipped with the scanner module
2	Power on. Push/release typically enters Standby mode, or Push/release exits Standby mode or restarts (software dependent) Push and hold (over 4 seconds) invokes hardware shutdown
3	Brightness control button, 5 levels
4	Up/ down button To adjust the speaker volume
5	Display mode switch. To switch to display the video signal from HDMI port

Battery and Power Management

The DT395CR is equipped with an internal Li-Ion battery pack and an optional battery pack that clips (hot-pluggable) onto the back of the tablet. The period between battery recharges can be significantly lengthened by putting the tablet into Standby mode through the Power Button (see Buttons Function Table) whenever the tablet is not in use. Depending on the operating software, the DT395CR may also be configured to enter various power-saving modes via the Power Button or through timed entry.

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 DT395CR, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT395CR in Standby mode, push and quickly release the Power Button. To turn the DT395CR 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 DT395CR when setting up for the first time to fully charge the battery pack. You may charge the additional battery pack with it attached to the DT395CR, or with the optional external battery charger kit.

NOTE:
When the battery pack(s) is (are) charging, the Battery LED will be solid orange, and when fully charged, the light will be off. If plugging in the AC-DC adapter does not initiate charging, the battery pack(s) may be substantially drained. Try unplugging/ replugging the AC-DC adapter to the DT395CR 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 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 DT395CR

The tablet may be configured using the utilities and methods dictated by the software operating system. The DT395CR should be configurable for various properties such as user profiles, network features, and several system elements.

Wireless Networking

Wireless LAN

The DT395CR is often delivered with an embedded (user-inaccessible) 802.11ac WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the DT395CR 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 DT395CR 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 Bluetooth configuration application is enabled from the System Tray or from the **Windows Mobility Center**. Follow the instructions and options provided within the application to configure and invoke Bluetooth connectivity with the corresponding peripherals.

Battery LED Status:

- Orange indicates that the battery is charging
- When the AC/DC adapter is plugged into the tablet, the Battery LED light will be off when fully charged

Display Mode LED:

When the tablet is in default OS mode, the Display Mode LED will be blue. When in HDMI mode, the light will be orange.

Precautions

- Always exercise care when operating and handling the DT395CR.
- Do NOT apply excessive pressure to the display screen.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the DT395CR 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 DT395CR and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT395CR, as this will void the warranty.

THE DT395CR

Basic Features

The DT395CR wireless tablet integrates a bright and multi-touch display, one USB port, and embedded networking elements such as wireless LAN and Bluetooth. The DT395CR is complemented by a suite of accessories, including battery expansion, charging cradles, and battery charger kit, for a comprehensive user experience.

A DT395CR typically integrates an 802.11ac wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT395CR does not come with such a network adapter, please consult your device provider to establish the desired network connectivity

USING THE DT395CR

Remote Management

Depending on software configuration, the DT395CR can be centrally managed for asset monitoring and for software control. Please consult your device provider.

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® Atom™ Quad Core, 1.44GHz
RAM	4GB
Storage	64GB flash
Operating System	Microsoft® Windows® 10 IoT Enterprise
Display	8.9” LED-backlight screen with capacitive touch; anti-reflection outdoor viewable
Display Resolution	1920 x 1200
Network Interface	Wi-Fi 802.11ac; Bluetooth 4.0 LE
Control Switch and Buttons	1 power button, 1 trigger button, 1 brightness control button and 1 up/down button for the volume
Indicator	1 display mode LED and 1 battery status LED
Microphone	Built-in Microphone
Speaker	Built-in speaker
SD Slot	1 micro SD card slot
I/O Ports	
USB port	1 (USB 3.0)
Headphone-out	1 (3.5mm)
DC-in	1
Mechanical	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 19Vdc , 3.42A
Battery Pack	Internal 3.6Vdc, 8800mAh
Enclosure	ABS + PC plastics
Stylus	capacitive touch stylus
Protective Grips	Rubber bumpers on each corner for handling protection
Dimensions (H x W x D)	7.8 x 10.1 x 1.3 in/ 198 x 258 x 33 mm
Weight	2.87lbs/ 1.3kgs
Environmental	
Water and Dust Resistance	IP65
Regulatory	FCC Class B, CE, RoHS compliant
Operating Temperature	**Operation**: 14°F to 122°F (-10°C to 50°C); **Storage**: -4°F to 140°F (-20°C to 60°C)
Humidity	0% – 90% non-condensing

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RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves.
This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

This device was tested according to FCC SAR procedure, and was tested directly contacted with the Body. While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.