DT Research Mobile Tablet

DT365

BASIC OPERATION GUIDE

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of tablets — the DT365. Featuring a slim yet robust enclosure, the two-pound DT365 with 8.4" TFT display is powered by the Intel® Atom™ dual-core processor, offering optimal combinations of performance and power savings. An external battery expansion option provides approximately 3-4 hours of additional battery operation for up to six hours of mobile usage. The DT365 is available with Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional or Linux operating systems. Each software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT365 with Internal Battery Pack (3760mAh), Handstrap and Grips
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

Major options, depending on configuration:

• Desktop Charging Cradle with DC-in Power Jack and Ethernet, USB and optional VGA Ports	• External Battery Pack
• External Battery Charger Kit	

The DT365

Input/ Output Ports

A	Magnetic Stripe Reader (MSR)
B	USB Port
C	Microphone Jack
D	Headphone Jack
E	SD Slot
F	DC Power Input

Button Functions

BUTTON	ACTION
1	Programmable, As scanner trigger when equipped with the scanner module
2	Push/release typically enters Standby mode, or Push/release exits Standby mode or restarts tablet (software dependent) Push and hold (over 4 seconds) invokes hardware shutdown

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 DT365.
- Do NOT apply excessive pressure to the display screen.
- Avoid prolonged exposure of the display panel to any strong heat source.
  Wherever possible, the DT365 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 DT365 and disconnect all power sources.
  Report the problem to your device provider immediately.
- Never attempt to disassemble the DT365, as this will void the warranty.

THE DT365

Basic Features

The DT365 wireless tablet integrates a bright and multi-touch display, one USB port, and embedded networking elements such as wireless LAN and Bluetooth. The DT365 is complemented by a suite of accessories, including battery expansion, charging cradles, and battery charger kit, for a comprehensive user experience.

A DT365 typically integrates an 802.11a/b/g/n wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT365 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 DT365, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT365 in Standby mode, push and quickly release the Power Button. To turn the DT365 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 DT365 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 DT365, 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 DT365 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 Mobile Tablet

The DT365 may be configured using the utilities and methods dictated by the software operating system. The DT365 should be configurable for various properties such as user profiles, network features, and several system elements.

Calibration

The touch display for the DT365 is calibrated before shipping. In the event that the calibration has been modified or is unsatisfactory, the respective calibration routines (e.g., PenMount (PM)) to calibrate the touch interface may be used.

Wireless Networking

Wireless LAN

The DT365 is often delivered with an embedded (user-inaccessible) 802.11a/b/g/n WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the DT365 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 DT365 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 DT365 features a built-in Bluetooth adapter that operates on the Microsoft Windows Bluetooth protocol. The Bluetooth configuration application is invoked from the System Tray or from the Control. Follow the instructions and options provided within the application to configure and invoke Bluetooth connectivity with the corresponding peripherals.

NOTE: Bluetooth devices or accessories that are not compatible with the Microsoft Windows Bluetooth protocol may not work with the DT365.

Button Management

Where supported by software, the hard buttons on the left side of DT365 are programmable to perform a function of the user's choice. To activate the button re-assignment application, invoke the Button Manager application

Battery and Power Management

The DT365 is equipped with an internal 3760mAh Li-Ion battery pack that is capable of supporting approximately 1.5–2 hours of continuous operation. With the optional external battery pack that clips (hot-pluggable) onto the back of the tablet, the maximum period of continuous operation will be approximately 3–4 hours. The period between battery recharges can be significantly lengthened by putting the device into Standby mode through the Power Button (see Buttons Function Table) whenever the tablet is not in use. Depending on the operating software, the DT365 may also be configured to enter various power-saving modes via the Power Button or through timed entry.

Desktop Cradle (Optional)

The DT365 is complemented by an optional Desktop Cradle for support, pass-through charging, and connection to a range of USB peripherals, including keyboard and mouse. The Cradle offers the following interfaces: a DC-in port for the AC-DC adapter, an Ethernet port, a VGA port (optional) and USB ports. Always seat the DT365 securely onto the cradle. The cradle must be powered by the AC-DC adapter for the Ethernet and USB ports to function. The battery packs on the DT365 may be recharged by connecting the AC-DC adapter directly to the DC-in port on the DT365 or through the DC-in port on the Desktop Cradle while the DT365 is docked to the Cradle.

USING THE Mobile Tablet

Peripherals Support

Through its USB port, the DT365 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. The DT365 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 DT365 can be centrally managed for asset monitoring and for software control. Please consult your device provider.

SPECIFICATIONS

System	
CPU	Intel® Atom™ Dual Core, 1.86GHz
RAM	4GB
Storage	8GB to 256GB
Operating System	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, or Linux
Display	8.4” LED-backlight screen with capacitive touch
Display Resolution	800 x 600 (SVGA)
Trusted Platform Module	Yes, TPM 1.2 support
Fan	Fanless
Control Switch and Buttons	1 power button and 1 trigger button
Indicator	1 power/ battery status LED and 1 WLAN active LED
Speaker	Built-in speaker
Network Interface	
WLAN	Wi-Fi 802.11a/b/g/n
Bluetooth	Bluetooth 4.0+HS
I/O Ports	
USB Port	1
Headphone-out	1
DC-in	1
SD Slot	Yes, support 64GB
Mechanical and Environmental	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 12V DC, 3.5A
Battery Pack	Internal 7.4V, 3760mAh / Optional: External 7.4V, 3760mAh
Enclosure	ABS + PC plastics and magnesium-aluminum alloy
Protective Bumpers	Rubber with handstrap
Dimensions (H x W x D)	9.4 x 7.9 x 1.4 in/ 240 x 200.5 x 35 mm
Weight	1.98 lbs/ 0.9 kg
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant
Temperature	**Operation:** 0°C – 40°C; **Storage:** -20°C – 60°C
Humidity	0% – 90% non-condensing

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