SPECIFICATIONS

Model	Item	DT392	DT392i
System	Display	8.9" (diag.) TFT LCD with Resistive Touch and LED backlight; outdoor-viewable option	
	Display Resolution	1024 x 600 (WSVGA)	
	Processor	Intel® Atom™ processor Z530 1.6GHz	
	Memory (RAM)	1GB to 2GB DDR2 533MHZ	
	Storage	2GB to 16GB Internal Flash Module, 32GB to 64GB SSD	
	Operating Systems	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded, Windows® XP Pro for Embedded Systems or Linux	
	Network Interface	WiFi 802.11a/b/g/n, Bluetooth 2.1	
	Input and Control Buttons	1 Power button, 7 Front buttons and 1 Trigger button	
	Indicator	1 Power/ Battery status LED and 1 WLAN active LED	
	Input/Output Ports	1 DC-in Jack; 1 USB 2.0 port 1 Headphone-out Jack combined with microphone;	
	Audio/Microphone	Built-in speakers; built-in internal microphone	
Mechanical	Enclosure	ABS + PC Plastic	
	Protective Grips	Rubber with handstrap	
	Dimensions (H x W x D)	7.7 x 10 x 1.25 (in); 196 x 256 x 32 (mm)	
	Weight	2.43 lbs (1.1 kg)	
	Battery Pack	Internal (2S2P; 7.4V, 3760mAh) **Optional:** External (2S2P; 7.2V, 3900mAh)	
	AC/DC Adapter	**Input:** 100 – 240V AC **Output:** 19V DC@2.36A	
	Power Cords	North America, EU, UK, China and Japan	
	Stylus	Non-electronic tip	
Environmental	Water and Dust Resistance	IP54	IP64
	Shock and Vibration Protection	MIL-STD-810G	
	Regulatory	FCC Class B, CE, C-Tick, RoHS compliant	
	Operating Temperature	**Operation:** 0°C - 40°C **Storage:** 0°C - 60°C	**Operation:** -20°C - 50°C **Storage:** -20°C - 60°C
	Humidity	0% - 90% non-condensing	

DT392392iENG

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Mobile Tablet

DT 392/392i

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of mobile tablets— the DT392/392i. Featuring an IP54 or IP64-rated, slim yet robust enclosure, the two-pound DT392/392i with 8.9" TFT display is powered by the Intel® Atom™ 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 eight hours of mobile usage.

The DT392/392i is available with Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded, Windows® XP Pro for Embedded Systems or Linux operating systems. Each software operating system features web browser, client/server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

•   DT392/392i with Internal Battery Pack, Stylus and Bumpers

• 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 Ports

• External Battery Pack

• External Battery Charger Kit

• Vehicle/ Wall Mount Cradle

• 5-System Gang Charger

* If your DT392 contains MSR, camera or scanner module, please refer to the POS module operation guide for detailed operation.

The DT 392/ 392i (with Windows XP Operating System)

Microphone
Wireless LED
Battery/Power LED
Stylus
8
9
A
B
C
1 2 3 4 5 6 7

Calibration
Wireless Network Settings
Battery and Power Meter
Button Management

Input/ Output Ports

A	Headphone Jack
B	USB Port
C	DC Power Input

Button Functions (with Windows XP Operating System)

BUTTON	ACTION
1 2 3	Programmable
4	Programmable, launch soft (on-screen) keyboard (default)
5	Launch SAS (Secure Attention Sequence) Generate Ctrl+Alt+Del keys to invoke the security windows defined under Windows XP
6	Programmable, Change display orientation (portrait/ landscape) (default)
7	Programmable, system utility menu (default)
8	Programmable, As scanner trigger when equipped with the scanner module
9	Power on, Push/release typically enters Standby mode, or Push/release exits Standby mode or restarts device (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 DT392/392i.

• Do NOT apply excessive pressure to the display screen.

• We recommend using the Stylus provided to keep the screen clean.

• Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the DT392/392i should face away from direct light to reduce glare.

• If the AC-DC power adapter is used to recharge or power the device, do NOT use any AC-DC adapter other than the one provided with the device 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 DT392/392i and disconnect all power sources. Report the problem to your device provider immediately.

• Never attempt to disassemble the DT392/392i, as this will void the warranty.

THE DT392/392i

Basic Features

The DT392/392i wireless tablet integrates a bright and responsive touch display, 1 USB port, and embedded networking elements such as wireless LAN, Bluetooth or optional 3G. The primary device is complemented by a suite of accessories, including battery expansion, docking cradles, and carrying cases, for a comprehensive user experience.

A DT392/392i typically integrates an 802.11a/b/g/n wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT392/392i 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 service representative. Please contact your product and/or service provider for internal battery replacement service.

Powering ON and OFF

To activate the DT392/392i, push and quickly release the Power Button to the right side of the front bezel. The display will come on in a few seconds. To put the DT392/392i in Standby mode, push and quickly release the Power Button. To turn the DT392/392i off for extended storage, power off the device safely using any software function that "shuts down computer" provided in the software operating system.

NOTE: The battery packs shipped with your device may be low in power—please use the AC-DC adapter with the DT392/392i when setting up the device for the first time to fully charge the internal battery pack. You may charge the external battery pack with it attached to the DT392/392i, 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 DT392/392i a few times to activate the charging process.

NOTE: To conserve power, use (push and quick release) the Power Button to put the device 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 device—this form of hardware shutdown is intended to be a means of recovery from device 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 DT392/392i

The device may be configured using the utilities and methods dictated by the software operating system. The DT392/392i should be configurable for various properties such as user profiles, network features, and several system elements.

Calibration

The touch display for the DT392/392i is calibrated before shipping. In the event that the calibration has been modified or is unsatisfactory, the respective calibration routines (e.g., PenMount (PM) for Windows XP) to calibrate the touch interface may be used. Such applications are typically executed through touch input via Stylus or through mouse click via a USB mouse.

Wireless Networking

Wireless LAN

The DT392/392i 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 DT392/392i 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 DT392/392i 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 DT392/392i 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 Panel for Windows XP. 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 DT392/392i.

Button Management

Where supported by software, many of the hard buttons on the DT392/392i are programmable to perform a function of the user's choice. The exception is the Power Button and the SAS Button. To activate the button re-assignment application, invoke the Button Agent application, e.g., in Windows XP Embedded.

Brightness Control

Where supported by device firmware and software, a hard button may be engaged to manipulate the display brightness. Press the System Menu button (Button 7) on the front of the DT392/392i. The System screen will display a Brightness control section with up and down arrows that can be activated with the stylus.

Battery and Power Management

The DT392/ 392i is equipped with an internal 3760mAh Li-Ion battery pack that is capable of supporting approximately 3 - 4 hours of continuous operation. With the internal battery and an external battery pack that clips (hot-pluggable) onto the back of the device, the maximum period of continuous operation will be approximately 6 - 8 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 device is not in use. Depending on the operating software, the DT 392/392i may also be configured to enter various power-saving modes via the Power Button or through timed entry.

Desktop Cradle

The DT 392/392i 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, and USB ports. Always seat the DT392/392i 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 DT392/392i may be recharged by connecting the AC-DC adapter directly to the DC-in port on the DT392/392i or through the DC-in port on the Desktop Cradle while the DT392/392i is docked to the Cradle.

USING THE DT392/392i

Memory & Storage configuration

The DT392/392i is available with 1GB or 2GB memory configurations. Storage options currently range from: 2GB to 16GB flash memory or 32GB to 64GB SSD.

Peripherals Support

Through its USB ports, the DT392/392i 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 DT392/392i 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.

WETIF industrie edv	WETIF Industrie EDV	Telefon DE	+49 8142 448976-0
	Senserstraße 3	Telefon AT	+43 664 28 68 223
	D - 82140 Olching	info@wetif.com	www.wetif.com

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