SPECIFICATIONS

System	
Processor	Intel® Atom™ Z530, 1.6GHz
Memory (RAM)	1GB to 2GB
Storage	2GB to 16GB Flash
Operating Systems	Microsoft® Windows® XP Embedded
Display	8.9" TFT-LCD
Display Resolution	1024 x 600
Touch Screen	Resistive touch
Network Interface	Ethernet 10/ 100 MB Base-T LAN; 802.11a/b/g WLAN (optional)
Stereo Speaker	Built-in speaker
Input/Output Ports	2 USB 2.0 ports; 1 Audio-out jack; 1 Microphone-in jack; 1 RJ45 connector for Ethernet; 1 Phoenix connector
Power	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 12V DC, 3.5A
Mechanical	
Enclosure	ABS + PC plastics
Dimensions (H x W x D)	9.69 x 6.93 x 1.61 in/ 246 x 176 x 41 mm
Weight	2.9 lbs/ 1.3 kg
Environmental	
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant
Temperature	**Operation:** 5°C - 35°C; **Storage:** -20°C - 60°C
Humidity	0% - 90% non-condensing
Data Capture Options	
MSR	Yes; triple track readers (ISO TK1, 2 & 3), bidirectional
Presence Sensor and Scanner Auto Detection	Yes; reads both 1D and 2D barcodes, integrated for hassle-free operation
RFID Reader	Yes, HF 13.56MHz, ISO standard 15693, 14443A(B), 18092 compliant

* Specifications subject to change without notice.

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DT Research

Integrated LCD System

DT509

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring DT Research's DT509 Integrated Signage/ Kiosk Terminal. With an 8.9-inch TFT display and powered by the Intel® Atom™ processor, the DT509 offers optimal combinations of performance and power savings. With fully-integrated point-of-service modules within an elegant, space-saving design, the DT509 is the optimum solution to enhance customer service.

Please take a few moments to review the contents of this document to ensure that the setup and startup proceed smoothly. The DT509 Integrated Signage/ Kiosk Terminal is ready for use, out of the box, in its default configuration when powered by the power source provided. The following discussion offers guidance on the hardware elements and features of the DT509. Please refer to your device provider for information pertaining to the software operating system or software applications.

Package Contents

- One DT509
- AC-DC power adapter with power cord
- Basic operation guide

Precautions

- Always exercise care when operating and handling the DT509.
- Never disassemble any portion of the enclosure, as this will void any product warranty on the DT509.
- Do not use any AC/DC adapter other than the one provided with the device or a replacement acquired from the manufacturer.
- In the unlikely event that smoke, abnormal noise or strange odor is present, immediately power down the DT509 and disconnect all power sources. Please report the problem to your device provider immediately.

Basic Features

The DT509 integrates a bright and responsive touch display, two USB ports, and is complemented by a suite of options including a magnetic stripe reader (MSR), 2D barcode scanner, RFID reader, presence sensor and scanner auto-detection for comprehensive point-of-service applications.

Powering ON and OFF

The DT509 is programmed to Power On automatically when power is first applied or re-established. To turn off the device, use the software shutdown interface provided, or unplug the device.

In the event of system lockup, unplug and then re-plug the power cable.

Calibration

The touch display for the DT509 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.

I/O Panels

The DT509 has a comprehensive set of I/O ports. The following ports are located along the lower rear edge of the display unit.

- A Mic and line-out jacks
- B USB ports x 2
- C Ethernet port
- D DC-in jack (AC/ DC)
- E Phoenix connecter (DC/ DC)

Options

The DT509 has a number of optional modules. These include:

- Magnetic stripe reader (MSR)
- Presence sensor and scanner auto detection
- 2D barcode scanner
- RFID reader
- Wi-Fi networking