




DT Research Inc 502T Integrated LCD System User Guide

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DT Research Inc 502T Integrated LCD System



Product Information: Integrated LCD System

The Integrated LCD System is a comprehensive point-of-care application system that integrates a high-brightness 21.5, 23.8, or 27 display with a high-performance system and USB ports to satisfy varying needs. The system has a hidden custom antenna and an embedded 802.11ac WLAN adapter that is inaccessible to the user. The system has a set of I/O ports located at the bottom side of the unit, which includes a power button, programmable buttons, speakers, DC-in, HDMI output, USB 3.0 ports, Ethernet ports (RJ45), audio jack, USB 2.0 ports, COM ports, and an SD Card Reader.

Wireless Networking

The Integrated LCD System supports typical WLAN adapters for wireless networking.

Cleaning Instructions

For cleaning the touch screen, use an alcohol-free and non-abrasive screen cleaning solution and a micro-fiber cloth. Spread the solution onto the cloth and then clean the touch screen gently. For cleaning the anti-microbial enclosure, use a soft/non-abrasive cloth moistened with water or an alcohol-free and oxide-free cleaning liquid. Wipe gently to prevent scratching the anti-microbial coating.

Package Contents

- 502T/504T/507T
- AC-DC power adapter with power cord
- Basic operation guide

Precautions

Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut it as it can result in an explosion. Do not leave the battery in an extremely high-temperature surrounding environment as it can result in an explosion or the leakage of flammable liquid or gas.

Product Usage Instructions

Attach/Detach the Tabletop Stand (Optional)

To attach the tabletop stand, insert the top two tabs of the stand into the top two open slots on the back panel. Push the latch to pivot the two lower tabs of the stand and then push the two lower tabs into the two lower slots on the back panel. Make sure the latch locks back into position so the stand is securely attached. To detach the

tabletop stand, reverse the process.

Powering ON and OFF

Use the AC-DC adapter provided with the Integrated LCD System for the power supply. To activate the system, push and quickly release the Power Button. The display will come on in a few seconds. To put in Standby mode, push and quickly release the Power Button. To turn off for extended storage, power off the device safely using any software function that shuts down computer provided in the software operating system.

Note: To conserve power, put the device in Standby mode while not in use by using the Power Button (push and quick release). Push briefly on the same button to wake up the system within seconds. Avoid using the Power Button (hold 4+ seconds feature) to turn off the device as it is intended as a means of recovery from device lockups and not as normal operation.

BASIC OPERATION GUIDE

502T/504T/507T

INTRODUCTION

Thank you for acquiring DT Research's Integrated LCD System. With a 21.5", 23.8", or 27" TFT display and powered by an Intel® Pentium® or Core™ i processor, the All-In-One Computer series offer an optimal functionality combining excellent performance and power-saving capability. With fully-integrated point-of-care modules within an elegant, space-saving design, the Integrated LCD System is the optimum solution to enhance workflow and service. Please take a few moments to review the contents of this document to ensure that the setup and startup proceed smoothly. The Integrated LCD System is ready for use, out of the box, in its default configuration when powered by the power source provided. The following documentation offers guidance on the hardware elements and features of the computer. Please refer to your device provider for information pertaining to the software operating system or software applications. This is a general manual.

PACKAGE CONTENTS

- 11. 502T/504T/507T
- 12. AC-DC power adapter with power cord
- 13. Basic operation guide



MEDICAL – GENERAL MEDICAL EQUIPMENT AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH ANSI/AAMI ES60601-1 (2005) + AMD (2012) & "CAN/CSA-C22.2 No. 6060-1 (2008) + (2014)

Wireless Networking

Wireless LAN

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

1. Through the support of typical WLAN adapters, the Integrated LCD System 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.

2. The SSID and WEP/WPA/WPA2 (if enabled) parameters on the Integrated LCD System 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.
3. 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.
4. Refer to the access point operating manuals for setting up the 802.11 access points.

Cleaning the Screen

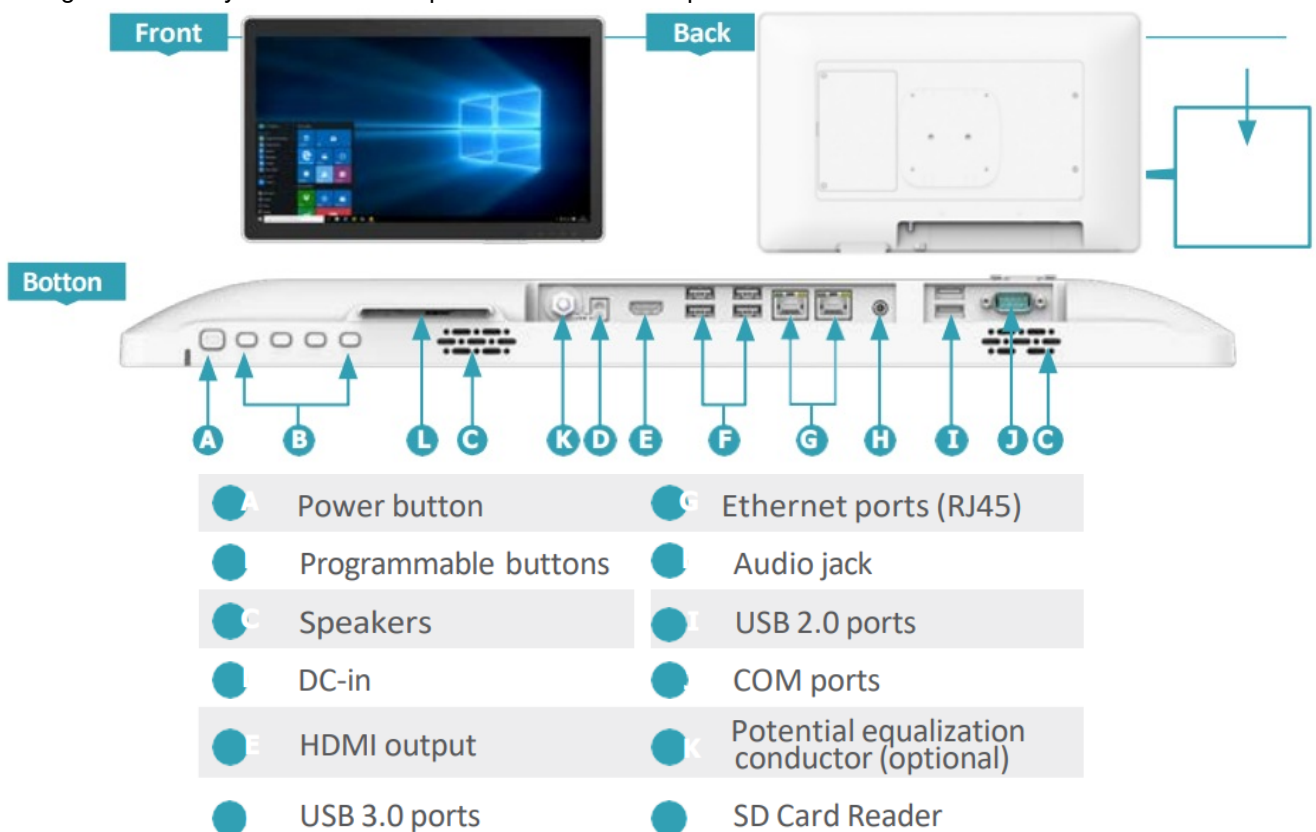
5. A screen cleaning solution that is alcohol-free and non-abrasive can be used to clean the touch screen.
6. Cleaning with a micro-fiber cloth is recommended.
7. Please spread the solution onto the cloth and then clean the touch screen.

Cleaning the Anti-microbial Enclosure

8. Use a soft/non-abrasive cloth moistened with water to clean the enclosure.
9. If using a cleaner, an alcohol-free and oxide-free cleaning liquid is recommended.
10. To prevent scratching the anti-microbial coating, please wipe gently.

I/O Ports

The Integrated LCD System has a comprehensive set of I/O ports located at the bottom side of the unit.



PRECAUTIONS

- Always exercise care when operating and handling the Integrated LCD System.
- Never disassemble any portion of the enclosure, as this will void any product warranty on the Integrated LCD System.
- 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 Integrated LCD System and disconnect all powersources. Please report the problem to your device provider immediately.

BASIC FEATURES

The Integrated LCD System integrates a high-brightness 21.5", 23.8", or 27" display with a highperformance system and USB ports to satisfy the varying needs for comprehensive point-of-care applications.

Attach The Tabletop Stand (Optional)

1. Insert the top two tabs of the tabletop stand into the top two open slots on the 502T/504T/507T back panel.
2. Push the latch to pivot the two lower tabs of the tabletop stand.
3. Push the two lower tabs into the two lower slots on the 502T/504T/507T back panel. Make sure the latch locks back into position so the stand is securely attached.



Detach the Tabletop Stand (Optional)

- Push the latch to pivot the two lower tabs.
- Pull out the two lower tabs, then the two upper tabs from the 502T/504T/507T back panel.

Powering ON and OFF

Please use the AC-DC adapter with the Integrated LCD System for the power supply. To activate the Integrated LCD System, push and quickly release the Power Button and the display will come on in a few seconds. To put in Standby mode, push and quickly release the Power Button. To turn off for extended storage, power off the device safely using any software function that "shuts down computer" provided in the software operating system.

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.

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 20cm must be maintained between the antenna of the radio having max. 3.2dBi antenna and all persons. Hereby, [DT Research, Inc.] declares that the radio equipment type [502T] 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 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	12.15dBm
Bluetooth LE:2402MHz-2480MHz	7.86dBm
Wifi: 2412MHz-2472MHz/2422MHz-2462MHz	18.2dBm
Wifi: 5150MHz-5725MHz	20.58dBm
Wifi: 5725MHz-5875MHz	13.58dBm

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)		

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

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name:

Model No.: 502T

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:

- This device may not cause interference.
- 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. This Class[B] digital apparatus complies with Canadian ICES-003.

RF Exposure Compliance

To maintain compliance with RSS's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Documents / Resources



[DT Research Inc 502T Integrated LCD System](#) [pdf] User Guide
502T, 504T, 507T, 502T Integrated LCD System, 502T, Integrated LCD System, LCD System

References

- [DT Research | Rugged Tablets, Medical-Cart Computers and AIO Computers](#)
- [DT Research | Rugged Tablets, Medical-Cart Computers and AIO Computers](#)