



# DT524T

## Medical-Grade Integrated LCD System

### Display-Integrated Digital System for Point-of-Care Solutions

The DT Research DT524T medical grade all-in-one system integrates a 24-inch TFT-LCD with an energy-efficient Intel® Core™ i platform in a fanless, slim, bacteria-resistant enclosure. Designed for medical and healthcare applications, this LCD-integrated system provides space-saving solutions for health professionals to monitor, record and retrieve patient information as well as other point-of-care applications. The built-in Wi-Fi and Bluetooth connection as well as data capture options also make data access efficient and optimizes staff workflow.



### Features

- 24" screen, capacitive touch option
- Intel® 6<sup>th</sup> Generation Core™ i processor
- Microsoft® Windows® 10 IoT Enterprise operating system
- Elegant all-in-one, slim, fanless design
- Slim, all-in-one design with anti-microbial enclosure
- IP65 rated front panel with IPX2 rated enclosure
- VESA-mountable for flexibility in mounting and placement

### Major Options

- Integrated dual-band RFID reader with single-sign-on authentication
- 4K (3840 x 2160) LCD

# Specifications

## System

<b>CPU</b>	Intel® Core™ i5-6500TE, 2.3GHz (up to 3.3GHz) Intel® Core™ i7-6700TE, 2.4GHz (up to 3.4GHz)
<b>RAM</b>	8GB to 16GB
<b>Storage</b>	128GB to 2TB Flash
<b>Operating System</b>	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise
<b>Display</b>	23.8" TFT-LCD, optional capacitive touch
<b>Display Resolution</b>	1920 x 1080; 3840 x 2160 (optional)
<b>Control Button</b>	1 power and 4 programmable buttons
<b>Stereo speaker</b>	Built-in speaker

## Network Interface

<b>WLAN</b>	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band
<b>Bluetooth</b>	Bluetooth 4.0 LE

## I/O Ports

<b>USB Port</b>	USB 3.0 x 4, USB 2.0 x 2
<b>COM Port</b>	3
<b>Audio-out</b>	1
<b>HDMI-out</b>	1
<b>Ethernet</b>	1 RJ45 connector for Ethernet
<b>DC-in</b>	1
<b>Potential Equalization Conductor</b>	1 (optional)

## Mechanical and Environmental

<b>Fan/Fanless</b>	Fanless
<b>AC/DC Adapter</b>	Input 100-240V AC; Output 19V DC, 6.31A
<b>Enclosure</b>	ABS + PC plastics and magnesium-aluminum alloy
<b>Base or Pedestal</b>	Detachable aluminum construction; VESA-compliant mounting
<b>Dimensions (H x W x D)</b>	16.9 x 22.3 x 8.3 in/ 431 x 567 x 212 mm (with base stand) 13.7 x 22.3 x 1.8 in/ 350 x 567 x 45 mm (without base stand)
<b>Weight</b>	23.6 lbs/ 10.7 kg (with base stand) 17.6 lbs/ 8 kg (without base stand)
<b>Water Resistance</b>	Front panel: IP65 Enclosure: IPX2
<b>Regulatory</b>	UL60601-1, FCC Part 18 Class B, CE, CCC compliant
<b>Temperature</b>	Operation: 0°C – 40°C; Storage: -20°C – 60°C
<b>Humidity</b>	0% – 90% non-condensing

## Major Options

<b>Camera</b>	2 megapixel front camera
<b>NFC/ RFID Reader</b>	Integrated dual-band RFID reader, single-sign-on authentication support

\* Specifications subject to change without notice.

