



# 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

- Elegant all-in-one, slim, fanless design
- Intel® 10<sup>th</sup> Generation Core™ i processor
- 24" Full-HD LED-backlight screen, capacitive touch and 4K screen options
- EN60601-1 certified
- IP65 rated front panel with IPX2 rated enclosure
- Aluminum alloy enclosure with anti-microbial coating
- VESA-mountable for flexibility in mounting and deployment
- Optional integrated dual-band RFID reader with single-sign-on authentication



#### Applications

- Hospital
- Healthcare Center
- Retirement community
- Laboratory

## Specifications

System	
<b>CPU</b>	Intel® Core™ i5-10500T, 6-core; Intel® Core™ i7-10700T, 8-core Intel® Core™ i9-10900T, 10-core
<b>RAM</b>	8GB to 16GB
<b>Storage</b>	256 GB to 2TB Flash
<b>Operating System</b>	Microsoft® Windows® 10 IoT Enterprise
<b>Display</b>	23.8" TFT-LCD, capacitive touch
<b>Display Resolution</b>	1920 x 1080; 3840 x 2160 (optional)
<b>Network Interface</b>	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band
<b>Bluetooth</b>	Bluetooth 4.0 LE
<b>Control Button</b>	1 power and 4 programmable buttons
<b>Stereo speaker</b>	Built-in speakers
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>	RJ45 connector for Ethernet x 2
<b>DC-in</b>	1
<b>Potential Equalization Conductor</b>	1
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>	Aluminum alloy, anti-microbial coating
<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, RoHS 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.