507T
Medical-Grade Integrated LCD System

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

The DT Research medical grade all-in-one system integrates a 27-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 and others to monitor, record and retrieve patient information as well as other end point applications. The built-in Wi-Fi and Bluetooth connections also make data access efficient and optimizes staff workflow.

Features

- 27" capacitive touch screen
- Intel® 10th Generation Core™ i processor
- Microsoft® Windows® 10 IoT Enterprise or Ubuntu operating system
- Elegant all-in-one, slim, fanless design
- Slim, all-in-one design with antimicrobial enclosure
- IP65 rated front panel with IPX2 rated enclosure
- VESA-mountable for flexibility in mounting and placement

Major Options

- 4K resolution screen
- Integrated UPS battery
- Front camera
- Single/dual frequency NFC/RFID reader

Specifications

Model	507T

System

CPU	Intel® Core™ i5-10500T, 6-core, 2.3GHz (up to 3.8GHz) Intel® Core™ i7-10700T, 8-core, 2.0GHz (up to 4.5GHz) Intel® Core™ i9-10900T, 10-core, 1.9GHz (up to 4.6GHz)
RAM	8GB to 16GB
Storage	256GB to 512GB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise or Ubuntu
Display	27" capacitive touch screen
Display Resolution	1920 x 1080, or 3840 x 2160 (optional)
Trusted Platform Module	TPM 2.0
Battery Pack	Optional integrated UPS battery x 1
Buttons	1 power and 4 programmable buttons
Speaker and Microphone	Built-in speaker and microphone

Network Interface

WLAN	Wi-Fi 802.11ax, 2.4GHz/ 5GHz dual band
Bluetooth	Bluetooth 5.1 LE

I/O Ports

USB Port	USB 3.0 x 4 (ESD protection: ±17KV by air, ±12KV by contact), USB 2.0 x 2 (ESD protection: ±18KV by air, ±12KV by contact)
COM Port	3
Audio-out	1
HDMI-out	1 (ESD protection:±17KV by air, ±12KV by contact)
Ethernet	2 (ESD protection: ±30KV by air, ±30KV by contact)
DC-in	1
Potential Equalization Conductor	1 (optional)

Mechanical and Environmental

Fan/Fanless	Fanless
AC/DC Adapter	Input 100-240V AC; Output 19V DC, 6.31A
Enclosure	Aluminum alloy, antimicrobial enclosure
Dimensions (H x W x D)	16.2 x 25.2 x 1.8 in/ 411.8 x 639.1 x 45 mm
Weight	23.15 lbs/ 10.5 kg
VESA-compliant Mounting	100mm × 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	UL60601-1, FCC Part 18 Class B, CE, CCC compliant
Temperature	Operation: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)
Humidity	0% – 90% non-condensing

Major Options

Camera	Full-HD front camera
NFC/ RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1, or dual frequency, reads both 125KHz and 13.56MHz credentials

* Specifications subject to change without notice.

Accessories

- Desktop Stand
- Medical Grade AC Adapter
- DR202 Battery
- DR202 Battery Gang Charger
- 3-Slot Battery Holster
- Battery Holster

Product Configurator

www.dtresearch.com/productconfig