



DT Research

Medical-Grade Integrated LCD Systems

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

The DT Research 500-MD series digital systems integrate 19" and 22" LCD displays respectively with an energy-efficient thin client platform in one slim, mountable, bacteria-resistant enclosure. Designed for medical and healthcare applications, these systems provide space-saving solutions for health professionals to monitor, record and retrieve patient information and other point-of-care applications. With optional IR touch screen, internal wireless communication, magnetic stripe reader and smart card reader, the all-in-one digital systems make data access efficient and optimize staff workflow.

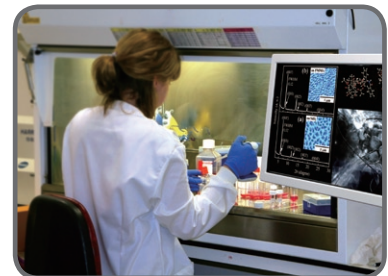
• Features

- Elegant all-in-one, slim and space saving design
- Anti-microbial plastic enclosure
- High performance operation with low power consumption
- IR touch screen option
- VESA-mountable for flexibility in mounting and deployment
- Optional 802.11a/b/g/n WLAN adapter
- Optional magnetic stripe reader
- Optional smart card reader
- Comprehensive software for remote monitoring, control, and upgrades

• Applications

The DT Research Medical-grade Integrated LCD Systems are ideal for the following environments :

- **Hospital**
- **Healthcare Center**
- **Retirement community**
- **Laboratory**



• Specifications

			
Model	DT522D-MD	DT519S-MD	DT522S-MD
System			
CPU	Intel® Atom™ N270, 1.6GHz	Intel® Core i3, i5 or i7	
RAM	2GB	4GB	
Storage	2GB, 8GB, 32GB, 64GB flash or 250GB HDD	32GB, 64GB, 128GB flash or 250GB HDD	
Operating System	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, XP Embedded or XP Professional	Microsoft® Windows® Embedded Standard 7 or Windows® 7 Professional (32-bit or 64-bit)	
Display	22" TFT-LCD	19" TFT-LCD	22" TFT-LCD
Display Resolution	1920 x 1080	1280 x 1024	1920 x 1080
Touch Screen	IR touch (optional)		
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; 802.11a/b/g/n WLAN (optional)		
Trusted Platform Module	N/A	Yes, TPM 1.2	Yes, TPM 1.2
Control Button	5 side buttons: power and programmable buttons		
Stereo Speaker	Built-in speakers		
I/O Ports			
USB 2.0 Port	4	4	4
COM Port	2	2	2
Audio-out	1	1	1
Microphone-in	1	1	1
Ethernet	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1
DC-in	1	1	1
Mechanical and Environmental			
Fan/Fanless	Fanless	Fan	Fan
AC/DC Adapter	Input: 100 – 240V AC; Output: 18.5V DC, 3.5A	Input 100-240VAC; Output 19V, 6.31A	
Enclosure	ABS + PC plastics, anti-microbial plastics		
Base or Pedestal	Detachable aluminum construction; VESA-compliant mounting		
Dimensions (H x W x D)	(With base stand) 15.8 x 20.8 x 6.7 in/ 420 x 528 x 171 mm	(With base stand) 16.5 x 14.9 x 6.5 in/ 420 x 380 x 165 mm	(With base stand) 15.8 x 20.8 x 6.7 in/ 420 x 528 x 171 mm
	(Without base stand) 12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm	(Without base stand) 13.7 x 13.4 x 2.8 in/ 346 x 340 x 70 mm	(Without base stand) 12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm
Weight	(With base stand) 20.7 lbs/ 9.4 kg	(With base stand) 17.9 lbs/ 8.1 kg	(With base stand) 20.7 lbs/ 9.4 kg
	(Without base stand) 18.1 lbs/ 8.2 kg	(Without base stand) 13.4 lbs/ 6.1 kg	(Without base stand) 18.1 lbs/ 8.2 kg
Regulatory	FCC Class B, CE, RoHS compliant		
Temperature	Operation: 5°C – 35°C; Storage: -20°C – 60°C		
Humidity	0% – 90% non-condensing		
Data Capture Option			
MSR	Triple track readers (ISO TK1, 2 & 3), bi-directional		
Smart Card Reader	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card		

* Specifications subject to change without notice.