



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" to 24" 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	DT519T-MD	DT519S-MD	DT522T-MD	DT522S-MD	DT524T-MD	DT524S-MD
System						
CPU	Intel® Atom™ Dual Core, 1.86GHz	Intel® Core i3, i5 or i7	Intel® Atom™ Dual Core, 1.86GHz	Intel® Core i3, i5 or i7	Intel® Atom™ Dual Core, 1.86GHz	Intel® Core i3, i5 or i7
RAM	4GB					
Storage	32GB to 256GB flash or 320GB HDD					
Operating System	Microsoft® Windows® Embedded Standard 7 or Windows® 7 Professional					
Display	19" TFT-LCD	19" TFT-LCD	22" TFT-LCD	22" TFT-LCD	24" TFT-LCD	24" TFT-LCD
Display Resolution	1280 x 1024	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Touch Screen	IP65-rated IR touch (optional)					
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; 802.11a/b/g/n WLAN (optional)					
TPM	TPM 1.2	TPM 1.2	TPM 1.2	TPM 1.2	TPM 1.2	TPM 1.2
Control Button	5 side buttons: power and programmable buttons					
Stereo speaker	Built-in speakers					
I/O Ports						
USB Port	4	4	4	4	4	4
COM Port	2	2	2	2	2	2
Audio-out	1	1	1	1	1	1
Microphone-in	1	1	1	1	1	1
Ethernet	RJ45 connector for Ethernet x 1					
DC-in	1	1	1	1	1	1
Mechanical and Environmental						
Fan/Fanless	Fanless	Fan	Fanless	Fan	Fanless	Fan
Default Color	Beige	Beige	Beige	Beige	Beige	Beige
AC/DC Adapter	Input: 100 – 240V AC; Output: 18.5V DC, 3.5A	Input: 100-240V AC; Output: 19V, 6.31A	Input: 100 – 240V AC; Output: 18.5V DC, 3.5A	Input: 100-240V AC; Output: 19V, 6.31A	Input: 100 – 240V AC; Output: 18.5V DC, 3.5A	Input: 100-240V AC; 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)	16.3 x 16.5 x 6.7 in/ 415 x 420 x 171 mm	16.3 x 16.5 x 6.7 in/ 415 x 420 x 171 mm	15.8 x 20.8 x 6.7 in/ 420 x 528 x 171 mm	15.8 x 20.8 x 6.7 in/ 420 x 528 x 171 mm	14.6 x 22.9 x 6.7 in/ 370 x 583 x 171 mm	14.6 x 22.9 x 6.7 in/ 370 x 583 x 171 mm
Dimensions (H x W x D) (Without base stand)	13.7 x 16.5 x 2.8 in/ 346 x 420 x 70 mm	13.7 x 16.5 x 2.8 in/ 346 x 420 x 70 mm	12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm	12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm	13.8 x 22.9 x 2.8 in/ 350 x 583 x 70 mm	13.8 x 22.9 x 2.8 in/ 350 x 583 x 70 mm
Weight (With base stand)	16.5 lbs/ 7.5 kg	17.8 lbs/ 8.1 kg	21.2 lbs/ 9.6 kg	22.1 lbs/ 10.2 kg	24.6 lbs/ 11.1 kg	26.8 lbs/ 12.3 kg
Weight (Without base stand)	12.8 lbs/ 5.8 kg	13.4 lbs/ 6.1 kg	16.8 lbs/ 7.6 kg	18.1 lbs/ 8.2 kg	20.2 lbs/ 9.1 kg	22.8 lbs/ 10.3 kg
Water & Dust Resistance	IP65 sealed front					
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant	UL60601-1, EN60601-1, FCC Class B, CE, C-Tick, RoHS compliant	FCC Class B, CE, C-Tick, RoHS compliant	UL60601-1, EN60601-1, FCC Class B, CE, C-Tick, RoHS compliant	FCC Class B, CE, C-Tick, RoHS compliant	UL60601-1, FCC Class B, CE, C-Tick, 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	N/A	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card	N/A	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card	N/A	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card

* Specifications subject to change without notice.

