DT Research

Anti-microbial | Green | VESA Mount | IR Touch Screen | TPM | Wi-Fi | MSR

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, and magnetic stripe 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
- Comprehensive software for remote monitoring, control, and upgrades

Applications

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

DT519T-MD/ DT519S-MD/ DT522T-MD/ DT522S-MD/ DT524T-MD/ DT524S-MD

Specifications

Model	DT519S-MD	DT522S-MD	DT524S-MD	DT519T-MD	DT522T-MD	DT524T-MD
System						
CPU	Intel® Core i3, i5 or i7			Intel® Atom™ 1.8GHz dual core		
RAM	4GB to 8GB			4GB		
Storage	32GB to 256GB flash or 320GB HDD			32GB to 64GB flash or 320GB HDD		
Operating System	Microsoft® Windows® Embedded Standard 7 or Windows® 7 Professional			Microsoft® Windows® Embedded Standard 7 or Windows® 7 Professional		
Display	19" TFT-LCD	22" TFT-LCD	24" TFT-LCD	19" TFT-LCD	22" TFT-LCD	24" TFT-LCD
Display Resolution	1280 x 1024	1920 x 1080	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080
Touch Screen	IP65-rated IR touch (optional)			IP65-rated IR touch (optional)		
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; 802.11a/b/g/n WLAN (optional)			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			5 side buttons: power and programmable buttons		
Stereo speaker	Built-in speakers			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			RJ45 connector for Ethernet x 1		
DC-in	1	1	1	1	1	1
Mechanical and Environmental						
Fan/Fanless	Fan	Fan	Fan	Fanless	Fanless	Fanless
Default Color	Beige	Beige	Beige	Beige	Beige	Beige
AC/DC Adapter	Input 100-240VAC; Output 19V, 6.31A			Input: 100 – 240V AC; Output: 18.5V DC, 3.5A		
Enclosure	ABS + PC plastics, anti-microbial plastics			ABS + PC plastics, anti-microbial plastics		
Base or Pedestal	Detachable aluminum construction; VESA-compliant mounting			Detachable aluminum construction; VESA-compliant mounting		
Dimensions (H x W x D)	16.3 x 16.5 x 6.7 in/ 415 x 420 x 171 mm (With base stand); 13.7 x 16.5 x 2.8 in/ 346 x 420 x 70 mm (Without base stand)	15.8 x 20.8 x 6.7 in/ 420 x 528 x 171 mm (With base stand); 12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm (Without base stand)	14.6 x 22.9 x 6.7 in/ 370 x 583 x 171 mm (With base stand); 13.8 x 22.9 x 2.8 in/ 350 x 583 x 70 mm (Without base stand)	16.3 x 16.5 x 6.7 in/ 415 x 420 x 171 mm (With base stand); 13.7 x 16.5 x 2.8 in/ 346 x 420 x 70 mm (Without base stand)	15.8 x 20.8 x 6.7 in/ 420 x 528 x 171 mm (With base stand); 12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm (Without base stand)	14.6 x 22.9 x 6.7 in/ 370 x 583 x 171 mm (With base stand); 13.8 x 22.9 x 2.8 in/ 350 x 583 x 70 mm (Without base stand)
Weight	17.8 lbs/ 8.1 kg (With base stand); 13.4 lbs/ 6.1 kg (Without base stand)	22.1 lbs/ 10.2 kg (With base stand); 18.1 lbs/ 8.2 kg (Without base stand)	26.8 lbs/ 12.3 kg (With base stand); 22.8 lbs/ 10.3 kg (Without base stand)	17.2 lbs/ 7.8 kg (With base stand); 12.8 lbs/ 5.8 kg (Without base stand)	21.2 lbs/ 9.6 kg (With base stand); 16.8 lbs/ 7.6 kg (Without base stand)	24.6 lbs/ 11.1 kg (With base stand); 20.2 lbs/ 9.1 kg (Without base stand)
Water & Dust Resistance	IP65 sealed front			IP65 sealed front		
Regulatory	UL60601-1, EN60601-1, FCC Class B, CE, C-Tick, RoHS compliant		UL60601-1, FCC Class B, CE, RoHS compliant	FCC Class B, CE, C-Tick, RoHS compliant		FCC Class B, CE, RoHS compliant
Temperature	Operation: 5°C – 35°C; Storage: -20°C – 60°C			Operation: 5°C – 35°C; Storage: -20°C – 60°C		
Humidity	0% – 90% non-condensing			0% – 90% non-condensing		
Data Capture Option						
MSR	Triple track readers (ISO TK1, 2 & 3), bi-directional			Triple track readers (ISO TK1, 2 & 3), bi-directional		

* Specifications subject to change without notice.

Product Configurator

www.dtresearch.com/productconfig

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