



DT Research

Integrated LCD Systems All-in-One Digital Displays for Vertical Computing

The DT Research 500 series LCD-integrated systems incorporate vivid displays with power-efficient computing platforms in compact and mountable packages for vertical computing and POS (point-of-service and point-of-sale) solutions. The 500 series offers many options for streamlining data capture, including touch screen, magnetic stripe reader (MSR), smart card readers, barcode scanners, and RFID reader. These fully integrated options enhance service and reduce entry errors. The standard operating systems combined with flexible DT Research hardware provide solutions for multiple applications.

• Applications

The DT Research Integrated LCD Systems are ideal for the following applications :

- Retail
- Entertainment/ Gaming
- Education
- Manufacturing
- Hospitality
- Control/ Monitoring
- Finance
- Healthcare



Specifications

									
Model	DT509	DT512	DT517C	DT519C	DT515D	DT517D	DT522D	DT519S	DT522S
System									
CPU	Intel® Atom™ Z530, 1.6GHz	1.5GHz x86			Intel® Atom™ N270, 1.6GHz			Intel® Core i3, i5 or i7	
RAM	1GB to 2GB	1GB			2GB			4GB	
Storage	2GB to 32GB Flash	2GB to 8GB Flash, 32GB to 64GB SSD, or 250GB HDD			2GB, 8GB, 32GB, 64GB flash or 250GB HDD			32GB, 64GB, 128GB flash or 250GB HDD	
Operating System	Microsoft® Windows® XP Embedded , Windows® XP Professional or Windows® 7 Professional	Microsoft® Windows® XP Embedded or Windows® XP Pro for Embedded Systems			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	8.9" TFT-LCD	12" TFT-LCD	17" TFT-LCD	19" TFT-LCD	15" TFT-LCD	17" TFT-LCD	22" TFT-LCD	19" TFT-LCD	22" TFT-LCD
Display Resolution	1024 x 600	1024 x 768	1280 x 1024	1280 x 1024	1024 x 768	1280 x 1024	1920 x 1080	1280 x 1024	1920 x 1080
Touch Screen	Resistive touch	IR touch (optional)							
Network Interface	Ethernet 10/ 100 MB Base-T LAN; 802.11a/b/g WLAN (optional)				Ethernet 10/ 100/ 1000 MB Base-T LAN; 802.11a/b/g/n WLAN (optional)				
Trusted Platform Module	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes, TPM 1.2	Yes, TPM 1.2
Control Button	N/A	5 side buttons: power and programmable buttons							
Stereo Speaker	Built-in speakers								
I/O Ports									
USB 2.0 Port	2	2	4	4	4	4	4	4	4
COM Port	N/A	1	2	2	2	2	2	2	2
Audio-out	1	1	1	1	1	1	1	1	1
Microphone-in	N/A	1	1	1	1	1	1	1	1
Line-in	N/A	1	1	1	N/A	N/A	N/A	N/A	N/A
Ethernet	RJ45 connector for Ethernet x 1								
DC-in	1	1	1	1	1	1	1	1	1
Phoenix Connector	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mechanical and Environmental									
AC/DC Adapter	Input: 100 – 240V AC; Output: 12V DC, 3.5A	Input: 100 – 240V AC; Output: 18.5V DC, 3.5A						Input: 100-240V AC; Output: 19V, 6.31A	
Enclosure	ABS + PC plastics								
Color	Black	Black	Black	Black	Black	Black	Black	Black	Black
Base or Pedestal	N/A	N/A	Detachable aluminum construction; VESA- compliant mounting						
Dimensions (H x W x D) (With base stand)	9.69 x 6.93 x 1.61 in/ 246 x 176 x 41 mm	9.09 x 12.1x 2.51 in/ 231 x 309 x 64 mm	16.1 x 15.3 x 6.7 in/ 409 x 388 x 171 mm	16.5 x 14.9 x 6.5 in/ 420 x 380 x 165 mm	14 x 13.9 x 6.7 in/ 356 x 354 x 171 mm	16.1 x 15.3 x 6.7 in/ 409 x 388 x 171 mm	15.8 x 20.8 x 6.7 in/ 402 x 528 x 171 mm	16.5 x 14.9 x 6.5 in/ 420 x 380 x 165 mm	15.8 x 20.8 x 6.7 in/ 402 x 528 x 171 mm
Dimensions (H x W x D) (Without base stand)			12.6 x 15.3 x 2.7 in/ 320 x 388 x 68 mm	13.7 x 13.4 x 2.8 in/ 346 x 340 x 70 mm	10.9 x 13.9 x 2.5 in/ 278 x 354 x 63 mm	12.6 x 15.3 x 2.7 in/ 320 x 388 x 68 mm	12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm	13.7 x 13.4 x 2.8 in/ 346 x 340 x 70 mm	12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm
Weight (With base stand)	2.9 lbs/ 1.3 kg	8.8 lbs/ 4 kg	15.4 lbs/ 7 kg	16.5 lbs/ 7.5 kg	13.2 lbs/ 6 kg	15.4 lbs/ 7 kg	20.7 lbs/ 9.4 kg	17.9 lbs/ 8.1 kg	20.7 lbs/ 9.4 kg
Weight (Without base stand)			12.1 lbs/ 5.5 kg	12.8 lbs/ 5.8 kg	10.6 lbs/ 4.8 kg	12.8 lbs/ 5.8 kg	18.1 lbs/ 8.2 kg	13.4 lbs/ 6.1 kg	18.1 lbs/ 8.2 kg
Water & Dust Resistance	N/A	IP65 sealed front IR touch panel (not applicable for non-IR SKU)							
Regulatory	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 Options									
MSR	Triple track readers (ISO TK1, 2 & 3), bi-directional	N/A	Triple track readers (ISO TK1, 2 & 3), bi-directional						
Smart Card Reader	N/A	N/A	N/A	N/A	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card				
Presence Sensor & Scanner Auto Detection	Reads both 1D & 2D barcodes, integrated for reliable operation	N/A	N/A	N/A	Reads both 1D & 2D barcodes; Integrated for reliable operation		N/A	N/A	N/A
RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B), 18092 compliant	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Specifications subject to change without notice.