



**DT Research**

## Integrated LCD Systems

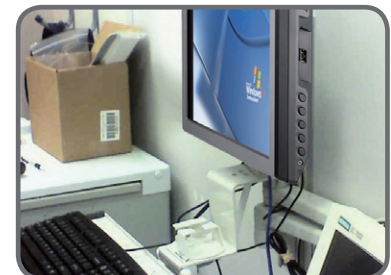
### All-in-One Digital Displays for Vertical Computing

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

										
<b>Model</b>	<b>DT509</b>	<b>DT512</b>	<b>DT517C</b>	<b>DT519C</b>	<b>DT515D</b>	<b>DT517D</b>	<b>DT522D</b>	<b>DT519S</b>	<b>DT522S</b>	
<b>System</b>										
<b>CPU</b>	Intel® Atom™ Z530, 1.6GHz		1.5GHz x86			Intel® Atom™ N270, 1.6GHz			Intel® Core i3, i5 or i7	
<b>RAM</b>	1GB to 2GB		1GB			2GB			4GB	
<b>Storage</b>	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	
<b>Operating System</b>	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)	
<b>Display</b>	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	
<b>Display Resolution</b>	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	
<b>Touch Screen</b>	Resistive touch		IR touch (optional)							
<b>Network Interface</b>	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)					
<b>Trusted Platform Module</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes, TPM 1.2	Yes, TPM 1.2	
<b>Control Button</b>	N/A		5 side buttons: power and programmable buttons							
<b>Stereo Speaker</b>	Built-in speakers									
<b>I/O Ports</b>										
<b>USB 2.0 Port</b>	2	2	4	4	4	4	4	4	4	
<b>COM Port</b>	N/A	1	2	2	2	2	2	2	2	
<b>Audio-out</b>	1	1	1	1	1	1	1	1	1	
<b>Microphone-in</b>	N/A	1	1	1	1	1	1	1	1	
<b>Line-in</b>	N/A	1	1	1	N/A	N/A	N/A	N/A	N/A	
<b>Ethernet</b>	RJ45 connector for Ethernet x 1									
<b>DC-in</b>	1	1	1	1	1	1	1	1	1	
<b>Phoenix Connector</b>	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
<b>Mechanical and Environmental</b>										
<b>AC/DC Adapter</b>	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		
<b>Enclosure</b>	ABS + PC plastics									
<b>Color</b>	Black	Black	Black	Black	Black	Black	Black	Black	Black	
<b>Base or Pedestal</b>	N/A	N/A	Detachable aluminum construction; VESA- compliant mounting							
<b>Dimensions (H x W x D) (With base stand)</b>	9.69 x 6.93 x 1.61 in/ 246 x 176 x 41 mm	9.09 x 12.1 x 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	
<b>Dimensions (H x W x D) (Without base stand)</b>			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	
<b>Weight (With base stand)</b>	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	
<b>Weight (Without base stand)</b>			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	
<b>Water &amp; Dust Resistance</b>	N/A		IP65 sealed front IR touch panel (not applicable for non-IR SKU)							
<b>Regulatory</b>	FCC Class B, CE, C-Tick, RoHS compliant									
<b>Temperature</b>	Operation: 5°C – 35°C; Storage: -20°C – 60°C									
<b>Humidity</b>	0% – 90% non-condensing									
<b>Data Capture Options</b>										
<b>MSR</b>	Triple track readers (ISO TK1, 2 & 3), bi-directional		N/A	Triple track readers (ISO TK1, 2 & 3), bi-directional						
<b>Smart Card Reader</b>	N/A		N/A	N/A	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card					
<b>Presence Sensor &amp; Scanner Auto Detection</b>	Reads both 1D & 2D barcodes, integrated for reliable operation		N/A	N/A	Reads both 1D & 2D barcodes; Integrated for reliable operation			N/A	N/A	N/A
<b>RFID Reader</b>	HF 13.56MHz, ISO standard 15693, 14443A(B), 18092 compliant		N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\* Specifications subject to change without notice.