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

DT Research

The DT Research 500 series LCD-integrated systems incorporate vivid displays with low power consumption computing platforms in compact and mountable packages for vertical computing and POS (point-of-service and point-of-sale) solutions. The DT Research 500 series offer optional integrated MSR, smart card reader, 2D barcode scanner or RFID modules, providing the optimum solution to correctly capture data and enhance customer service in retail, hospitality and entertainment. The major operating systems along with flexible DT Research hardware options, provide a wide variety of choices for many applications.
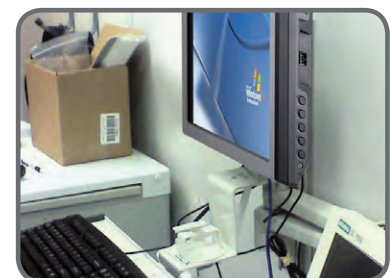

• Applications

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

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

DT509/ DT512/ DT515D/ DT517/ DT517D/ DT522D

DT Research

● Specifications

	DT509	DT512	DT517	DT515D	DT517D	DT522D
Model	DT509	DT512	DT517	DT515D	DT517D	DT522D
System						
CPU	Intel® Atom™ Z530, 1.6GHz	1.5GHz x86	1.5GHz x86	Intel® Atom™ N270, 1.6GHz	Intel® Atom™ N270, 1.6GHz	Intel® Atom™ N270, 1.6GHz
RAM	1GB to 2GB	1GB	1GB	2GB	2GB	2GB
Storage	2GB to 16GB Flash	2GB to 16GB Flash, 32GB to 64GB SSD, or 2.5" HDD				
Operating System	Microsoft®Windows® XP Embedded	Microsoft® Windows® XP Embedded or Windows® XP Pro for Embedded Systems		Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional or XP Embedded or XP Professional		
Display	8.9" TFT-LCD	12" TFT-LCD	17" TFT-LCD	15" TFT-LCD	17" TFT-LCD	22" TFT-LCD
Display Resolution	1024 x 600	1024 x 768	1280 x 1024	1024 x 768	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)		
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
COM Port	N/A	1	2	2	2	2
Audio-out	1	1	1	1	1	1
Microphone-in	N/A	1	1	1	1	1
Line-in	N/A	1	1	N/A	N/A	N/A
Ethernet	RJ45 connector for Ethernet x 1					
DC-in	1	1	1	1	1	1
Phoenix Connector	1	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: 18.5V DC, 3.89A	
Enclosure	ABS + PC plastics					
Color	Black	Black	Black	Black	White	White
Base or Pedestal	N/A	N/A				
Dimensions (H x W x D)	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	(With base stand) 16.1 x 15.3 x 6.7 in/ 409 x 388 x 171 mm (Without base stand) 12.6 x 15.3 x 2.7 in/ 320 x 388 x 68 mm	(With base stand) 14 x 13.9 x 6.7 in/ 356 x 354 x 171 mm (Without base stand) 10.9 x 13.9 x 2.5 in/ 278 x 354 x 63 mm	(With base stand) 16.1 x 15.3 x 6.7 in/ 409 x 388 x 171 mm (Without base stand) 12.6 x 15.3 x 2.7 in/ 320 x 388 x 68 mm	(With base stand) 15.8 x 20.8 x 6.7 in/ 402 x 528 x 171 mm (Without base stand) 12.6 x 20.8 x 2.8 in/ 319 x 528 x 70 mm
Weight	2.9 lbs/ 1.3 kg	8.8 lbs/ 4 kg	(With base stand) 15.4 lbs/ 7 kg (Without base stand) 12.8 lbs/ 5.8 kg	(With base stand) 13.2 lbs/ 6 kg (Without base stand) 10.6 lbs/ 4.8 kg	(With base stand) 15.4 lbs/ 7 kg (Without base stand) 12.8 lbs/ 5.8 kg	(With base stand) 20.7 lbs/ 9.4 kg (Without base stand) 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: 0°C – 40°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		N/A
Smart Card Reader	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	Reads both 1D & 2D barcodes; Integrated for reliable operation		N/A
RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B), 18092 compliant	N/A	N/A	N/A	N/A	N/A

* Specifications subject to change without notice.