



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 powerful and energy-efficient Intel® computing platforms in rugged, compact and mountable packages for vertical computing and POS (point-of-service and point-of-sale) solutions. With the standard operating systems combined with flexible hardware, IR touch screen option and optional data capture modules, the DT500 series LCD-integrated systems provide solutions for multiple applications and enhance service.







• 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 | DT512T | DT515T | DT517T | DT519T | DT519S |
| System | | | | | | |
| CPU | Intel® Atom™ Z530, 1.6GHz | Intel® Atom™ Dual Core, 1.86GHz | | | | Intel® Core i3, i5 or i7 |
| RAM | 1GB to 2GB | 4GB | | | | 4GB to 8GB |
| Storage | 2GB to 32GB Flash | 32GB flash or 320GB HDD | 32GB to 64GB flash or 320GB HDD | | | 32GB to 256GB flash or 320GB HDD |
| Operating System | Microsoft® Windows® XP Embedded, Windows® XP Professional or Windows® 7 Professional | Microsoft® Windows® Embedded Standard 7 or Windows® 7 Professional | | | | |
| TPM | N/A | TPM 1.2 | TPM 1.2 | TPM 1.2 | TPM 1.2 | TPM 1.2 |
| Display | 8.9" TFT-LCD | 12" TFT-LCD | 15" TFT-LCD | 17" TFT-LCD | 19" TFT-LCD | 19" TFT-LCD |
| Display Resolution | 1024 x 600 | 1024 x 768 | 1024 x 768 | 1280 x 1024 | 1280 x 1024 | 1280 x 1024 |
| Touch Screen | Resistive touch | IP65-rated 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 | | | | |
| Speaker | Built-in speakers | | | | | |
| I/O Ports | | | | | | |
| USB 2.0 Port | 2 | 4 | 4 | 4 | 4 | 4 |
| COM Port | N/A | 2 | 2 | 2 | 2 | 2 |
| Audio-out | 1 | 1 | 1 | 1 | 1 | 1 |
| Microphone-in | N/A | 1 | 1 | 1 | 1 | 1 |
| Ethernet | RJ45 connector for Ethernet x 1 | RJ45 connector for Ethernet x 1 | RJ45 connector for Ethernet x 1 | RJ45 connector for Ethernet x 1 | RJ45 connector for Ethernet x 1 | 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 | | | | | | |
| Fan/Fanless | Fanless | Fanless | Fanless | Fanless | Fanless | Fan |
| Default Color | Black | Black | Black | Black | Black | Black |
| AC/DC Adapter | Input: 100 – 240V AC; Output: 12V DC, 3.5A | Input: 100 – 240V AC; Output: 18.5V DC, 3.5A | | | | Input: 100-240VAC; Output: 19V, 6.31A |
| Enclosure | ABS + PC plastics | | | | | |
| Base or Pedestal | N/A | N/A | Detachable aluminum construction; VESA- compliant mounting | | | |
| Dimensions (HxWxD) (With base stand) | N/A | N/A | 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 | 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 |
| Dimensions (HxWxD) (Without base stand) | 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 | 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 | 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 |
| Weight (With base stand) | N/A | N/A | 13.2 lbs/ 6 kg | 15.4 lbs/ 7 kg | 16.5 lbs/ 7.5 kg | 17.2 lbs/ 7.8 kg |
| Weight (Without base stand) | 2.9 lbs/ 1.3 kg | 8.8 lbs/ 4 kg | 10.6 lbs/ 4.8 kg | 12.1 lbs/ 5.5 kg | 12.8 lbs/ 5.8 kg | 12.8 lbs/ 5.8 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 | | | | | EN60601-1, 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 Options | | | | | | |
| MSR | Triple track readers (ISO TK1, 2 & 3), bi-directional | | | | | |
| Smart Card Reader | N/A | 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 | 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 |

* Specifications subject to change without notice.

