



DT514LD / DT514LW / DT514LA

Medical-Grade All-in-One Computer

Medical-Grade All-in-One Computer for Point-of-Care Solutions

Designed for versatility in medical and healthcare environments, the DT514 Series Medical All-in-One System offers a range of processing power and options for diverse applications—from high-performance Intel® processors for demanding workloads to cost-efficient configurations ideal for nurse stations. Featuring a 23.8" Full HD touchscreen, a fanless and antimicrobial enclosure, and VESA mounting compatibility, this slim and energy-efficient system seamlessly integrates into clean-sensitive environments. Optional features such as a smart card/CAC reader, RFID reader, and IR camera further enhance workflow efficiency, creating a robust solution for patient data management, telemedicine, and point-of-care applications.



Features

- 23.8" Full HD (1920 x 1080) display
- Microsoft® Windows® 11 Enterprise or IGEL OS
- Elegant all-in-one, slim, fanless design with antimicrobial enclosure
- ANSI/AAMI ES60601-1 certified
- Space-saving all-in-one, slim, fanless design with antimicrobial enclosure
- VESA mounting compatibility for easy installation and optimized mobility
- IP65-rated front panel with IP54-rated enclosure
- Energy Star 8.0 certified

Major Options

- IR Camera
- Smart card/CAC reader
- RFID reader
- P-CAP Touch (DT514LD)
- PoE LAN (DT514LD, DT514LW)

Specifications



Model	DT514LD	DT514LW	DT514LA
System			
CPU	Intel® N97, Quad-core (up to 3.6 GHz)	Intel® Core™ i3-N355, Octa-core (up to 3.9 GHz)	Intel® Core™ Ultra 5 processor 225U, 10-core (up to 4.9 GHz) Intel® Core™ Ultra 7 processor 255U, 12-core (up to 5.2 GHz)
RAM	8GB DDR5 up to 16GB (SO-DIMM, one slot)	8GB DDR5 up to 16GB (SO-DIMM, one slot)	8GB DDR5 up to 64GB (SO-DIMM, two slots)
Storage	128GB eMMC	Up to 4TB	512GB to 4TB
Operating System	IGEL OS	Microsoft® Windows® 11 Enterprise	Microsoft® Windows® 11 Enterprise
Inch	23.8"	23.8"	23.8"
Touch	P-CAP Touch (Optional)	P-CAP Touch	P-CAP Touch
Brightness	250cd/m2	250cd/m2	250cd/m2
Contrast Ratio	1000:1	1000:1	1000:1
Display Resolution	Full HD (1920 x 1080)	Full HD (1920 x 1080)	Full HD (1920 x 1080)
Trusted Platform Module	fTPM (Optional: dTPM)	fTPM (Optional: dTPM)	fTPM (Optional: dTPM)
Buttons	1 x Power Button, 4 x Programmable Button	1 x Power Button, 4 x Programmable Button	1 x Power Button, 4 x Programmable Button
Speaker and	2 x 5W speaker	2 x 5W speaker	2 x 5W speaker
Microphone	Built-In Microphone Array	Built-In Microphone Array	Built-In Microphone Array

Network Interface

WLAN	Wi-Fi 802.11be, 2.4/5/6 GHz Three Band (Optional)	Wi-Fi 802.11be, 2.4/5/6 GHz Three Band	Wi-Fi 802.11be, 2.4/5/6 GHz Three Band
BT	5.4	5.4	5.4

I/O Ports

USB Port	3 x USB 3.2 Gen 2 (Type-A), 1 x USB 3.2 Gen 2 latest USB/charging (for display output and charging)	3 x USB 3.2 Gen 2 (Type-A), 1 x USB 3.2 Gen 2 latest USB/charging (for display output and charging)	4 x USB 3.2 Gen 2 (Type-A), 1 x USB 3.2 Gen 2 latest USB/charging (for display output and charging)
Ethernet Port	1 x Ethernet 10/100/1000MB Base-T LAN	1 x Ethernet 10/100/1000MB Base-T LAN	1 x Ethernet 10/100/1000MB Base-T LAN 1 x Ethernet 2.5 GbE LAN
COM	n/a	n/a	2
HDMI	1	1	1
DC-In Jack	1	1	1

Mechanical and Environmental

Fan/Fanless	Fanless	Fanless	Fanless
AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.78A	Input: 100 to 240V AC; Output: 19V DC, 3.78A	Input: 100 to 240V AC; Output: 19V DC, 4.73A
Enclosure	ABS Plastic, Antimicrobial Enclosure	ABS Plastic, Antimicrobial Enclosure	ABS Plastic, Antimicrobial Enclosure
Dimensions (H x W x D)	14.49 x 22.4 x 1.67 in/368 x 569 x 42.5 mm	14.49 x 22.4 x 1.67 in/368 x 569 x 42.5 mm	14.49 x 22.4 x 1.67 in/368 x 569 x 42.5 mm
Weight	11.24 lbs/5.1 kg (w/o touch)	13.89 lbs/6.3 kg	13.89 lbs/6.3 kg
VESA	100 × 100 mm	100 × 100 mm	100 × 100 mm
Water Resistance	IP65 sealed front bezel and IP54 back cover enclosure	IP65 sealed front bezel and IP54 back cover enclosure	IP65 sealed front bezel and IP54 back cover enclosure
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, CE-EMC, CE-RED, Energy Star 8.0, EPEAT		
Temperature	Operation: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)	Operation: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)	Operation: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)
Humidity	0% to 90% Non-Condensing	0% to 90% Non-Condensing	0% to 90% Non-Condensing

Major Options

Camera	IR Camera	IR Camera	IR Camera
Smart Card/CAC Reader	Half-Slot (ISO 7816 T=0, T=1 and 1.8/3/5V Smart Card)	Half-Slot (ISO 7816 T=0, T=1 and 1.8/3/5V Smart Card)	Half-Slot (ISO 7816 T=0, T=1 and 1.8/3/5V Smart Card)
RFID Reader	HF 13.56 MHz, ISO 15693, 14443A(B) and 18000-3 Mode 1, or Dual Frequency (125 kHz and 13.56 MHz)		
Touch	P-CAP Touch	Default	Default
PoE LAN	Isolated 60W IEEE802.3bt Type 4 PD Module	Isolated 60W IEEE802.3bt Type 4 PD Module	n/a

*Specifications subject to change without notice.