1520 15" All-in-One Touchcomputer

Standard and advanced systems for point of information applications

The new Elo 1520 All-in-One Touchcomputer brings a new level of performance to graphic-intensive applications, such as patient bedside entertainment, retail digital signage, point-of-information and table-top gaming where high processing speed and advanced video graphics are needed. To meet the diverse computing needs required for these markets, the 1520 is available with the choice of two processors: the Intel® Core Duo 3.0 GHz or the Intel® 1.66GHz Atom Dual-Core D510, both with an advanced graphics chip set and multiple external ports to support a variety of configurations.

The 1520 expands the Elo TouchSystems family of reliable, multi-function touch solutions. The 1520 All-in-One Touchcomputer supports the popular Microsoft operating systems, including Windows® XP and Windows® 7 and is also available with no operating system offering maximum flexibility. A selection of industry-leading Elo touch technologies including Acoustic Pulse Recognition (APR), IntelliTouch surface acoustic wave, and AccuTouch 5-wire resistive make the 1520 All-in-One Touchcomputer a solutions-based system preferred for the rigors of public venues such as retail display units, customer loyalty systems, point of information systems, internet access sites, digital signage as well as bedside entertainment and home control.

Features

- "Designed for touch" from the ground-up; stable base and adjustable tilt display
- Available with Acoustic Pulse Recognition, AccuTouch 5-wire resistive and IntelliTouch surface acoustic wave touch technologies
- Touchscreen sealed from the factory
- Long-lasting product design; bright, high contrast display
- Kensington Security Slot
- North American and European agency approvals
- Excellent cable management; cables hidden from view
- 3-year warranty

Benefits

- Elo quality and reliability
- Eliminate accidental damage from liquid spills
- Elo touchcomputers have a history of being available—with an unchanged mechanical design—throughout all phases of project rollouts and for future spares
- Accessible input/output ports for easy connection
- Designed to add highly customizable features to meet demanding requirements in a variety of settings

elo TOUCHSYSTEMS

TE connectivity TOUCH SOLUTIONS

1520 15” All-in-One Touchcomputer

Computer Specifications

	Standard Unit:	Advanced Unit:
Processor	Intel 1.66GHz Atom Dual-Core D510, 533 MHz FSB, 1 MB L2 Cache	Intel® Core 2 Duo E8400 3.0 GHz, 1333 MHz FSB, 6 MB L2 Cache
Chipset	Intel® NM10 Express Chipset and Intel® I/O Controller Hub 7 (ICH7)	Intel® Q45 Express Chipset and Intel® I/O Controller Hub 10 (ICH10DO)
Video	Intel® Graphics Media Accelerator 3150	Intel® Graphics Media Accelerator 4500
Memory (RAM)	1 GB DDR2 533 SDRAM (Expandable to 2 GB, or 4 GB, available as a custom order only)	2 GB DDR2 667 MHz SDRAM (Expandable to 2 GB, available as a custom order only)
Rear I/O	Serial: 1 (RS-232); PS/2: 2 (1 x K/B and 1 x Mouse); USB: 4 (USB 2.0); Ethernet: 1 (10/100/1000); Audio: Integrated High Definition Audio (with 6-channel mode); 1 x 3.5 mm Line In; 1 x 3.5 mm Microphone In; Parallel: 1	DVI-D: 1; USB: 6 (USB 2.0); Ethernet: 1 (10/100/1000); Audio: Integrated High Definition Audio (with 6-channel mode); 1 x 3.5 mm Line In; 1 x 3.5 mm Microphone In; 1 x eSATA 3 Gb/s
Hard disk drive	1 x 2.5" SATA hard drive, 160 GB	1 x 2.5" SATA hard drive, 160 GB
Power consumption	100 W max.	150 W max.
Weight	Actual: 17 lb (7.7 kg); Actual without stand: 15 lb (6.8 kg); Shipping: 23 lb (10.4 kg)	Actual: 18 lb (8.2 kg); Actual without stand: 16 lb (7.3 kg); Shipping: 24 lb (10.9 kg)
Enclosure color	Dark gray	
Display	Diagonal size: 15.0"; Aspect ratio: 4 x 3	
Computer dimensions	With stand—Width: 14.0" (355 mm); Height: 16.0" (405 mm); Depth: 7.9" (200 mm)	
Stand options	Tilt, base is removable	
Mounting options	75 mm VESA mount; threaded holes on bottom of stand for secure mounting	
BIOS	AMI BIOS	Intel® BIOS
Operating systems supported	Microsoft Windows® XP Professional SP 3, Microsoft Windows® 7, also available without OS	
Real time clock	Lithium battery backed up real time clock	
Speakers	Two-watt/channel speakers in display head	
Backlight lamp life	Typical 30,000 hours to half brightness	
Power supply	External DC (power brick)	
Input voltage	Computer: 12 VDC; Power Brick: 100-240 VAC, 50-60 Hz	
Shipping box dimensions	Width: 17.5"; Height: 13.5"; Depth: 15"	
Temperature	Operating: 0°C to 35°C (32°F to 95°F); Storage: -20°C to 60°C (-4°F to 140°F)	
Humidity (noncondensing)	Operating: 20%-80%; Storage: 10%-90%	
Agency approvals	UL60950, FCC Class A, CE, CB	
Warranty	3 years	
MTBF	50,000 hours demonstrated	
Optional product coverage	Advance Unit Replacement program (North America only)	

Display Specifications

Useful screen area	Horizontal: 12.0" (304 mm); Vertical: 9.0" (228 mm)
Native (optimal) resolution	1024 x 768 at 60 Hz
Response time—total (typical)	14.5 msec
Viewing angle (typical)	Horizontal: ±70° or 140° total; Vertical: 60°/55° or 115° total
Contrast ratio (typical)	500:1
Colors	16.2 million (24-bit True Color)
Brightness (typical)	Standard Unit—LCD panel: 250 nits; AccuTouch: 200 nits; IntelliTouch: 230 nits Advanced Unit—LCD panel: 250 nits; Acoustic Pulse Recognition: 230 nits

*Full specifications and drawings can be found on the Elo TouchSystems website at *www.elotouch.com.*

To find out more about our extensive range of Elo touch solutions, go to www.elotouch.com, or call the office nearest you.

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