



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® Atom™ 1.6GHz, 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 WEPOS 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
- Security lock receptacle
- 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



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Computer Specifications

	Advanced Unit:	Standard Unit:
Processor	Intel® Core 2 Duo E8400 3.0GHz, 1333MHz FSB, 6MB L2 Cache	Integrated dual-core Intel® Atom™ 1.6Ghz processor with a 533 MHz system bus
Chipset	North Bridge Intel Q45	Intel® 945GC Express Chipset and Intel® I/O Controller Hub 7 (ICH7)
Video	Intel® Graphics Media Accelerator 4500 onboard graphics subsystem with integrated DVI-I and DVI-D graphics output	Intel® Graphics Media Accelerator 950 & S-video output support
Memory (RAM)	2GB 240-Pin DDR2 667 SDRAM (PC2 5300)	1GB DDR2 533/667 SDRAM; one 240-pin DIMM socket expandable to 2GB max
Rear I/O	Ethernet: 1 (10/100/1000Base-T); USB: 10 USB 2.0 ports: six back panel ports; (3 dual stack); 4 additional ports (via 2 headers); Serial: 5 serial ATA 3.0 Gb/s ports, including 1 eSATA back port with RAID 0, 1, 5, 10 support; one serial port via header	Ethernet: 1 (10/100/1000Base-T); USB: 4 USB 2.0 ports; Parallel: 1; Serial: 1 (RS-232); PS/2: 2 (1 x K/B and 1 x Mouse); Audio: Mic in, Line in, Line out (Realtek ALC662 supports 5.1 CH HD Audio) VGA: 1; S-Video: 1
Additional I/O (connectors on motherboard)	D-Sub + DVI; 6 x USB 2.0; 1 x eSATA 3Gb/s; 3 Ports; 1 PCI Express* x1 connector	USB: 2 (USB 2.0 ports); S/PDIF: 1; IDE: 1 (44 Pin); SATA: 2
Expansion	2 PCI Express x1 bus add-in card connectors	PCI: 32-bit/33MHz, 1 slot
Hard disk drive	1 x 2.5" SATA hard drive, 160 GB	1 x 2.5" SATA hard drive, 80 GB
Input voltage	DC: 12VDC at 12.5A max.	DC: 12VDC at 8.33A max.
Power consumption	150 W max.	100 W max.
Weight	Actual: 18 lb (8.2 kg); Actual without stand: 16 lb (7.3 kg); Shipping: 24 lb (10.9 kg)	Actual: 17 lb (7.7 kg); Actual without stand: 15 lb (6.8 kg); Shipping: 23 lb (10.4 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)	
Real time clock	Replaceable lithium battery backed up real time clock	
BIOS	Intel® BIOS	
Operating systems supported	Microsoft Windows XP Professional SP 2, WEPOS (also available without OS)	
Power supply	External DC (power brick)	
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%	
Shipping box dimensions	W 17.5" x D 15" x H 13.5"	
Warranty	3 years	
Optional product coverage	Advance Unit Replacement program (North America only)	
Backlight lamp life	Typical 30,000 hours to half brightness	
MTBF	50,000 hours demonstrated	
Agency approvals	UL60950, FCC Class A, CE, CB	
Speakers	Two-watt/channel speakers in display head	
Stand options	Tilt, remove	
Mounting options	75 mm VESA mount; threaded holes on bottom of stand for secure mounting	

Display Specifications

Useful screen area	Horizontal: 12.0" (304 mm); Vertical: 9.0" (228 mm)
Native (optimal) resolution	1024 x 768
Response time—total (typical)	14.5 msec
Viewing angle (typical)	Horizontal: 370° or 140° total; Vertical: 60°/55° or 115° total
Contrast ratio (typical)	500:1
Colors	16.2 million
Brightness (typical)	Advanced Unit—LCD panel: 250 nits; Acoustic Pulse Recognition: 230 nits Standard Unit—LCD panel: 250 nits; AccuTouch: 200 nits; IntelliTouch: 230 nits

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

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

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