19R Series 19″ All-in-One LCD Desktop Touchcomputers

Delivers a wide range of performance options in a sleek and stylish package

The new Elo TouchSystems 19R All-in-One Desktop Touchcomputer series delivers a wide range of performance options in a sleek and stylish package. The 19R All-in-One Touchcomputers meet the needs of various point-of-information (POI) venues such as retail stores, hospitality settings, gaming and healthcare environments.

The 19R Series comes in two powerful configurations for a wide range of touch computing needs with a choice of Intel® processors. The 19R1 and 19R2 provide a high standard of quality for customer registration stations and check-in points as well as interactive digital signage applications. For average computing needs, the 19R1 model comes with the Intel® Atom™ Dual-Core 1.6GHz processor and the 19R2 is powered by the Intel® E5300 Pentium® Dual-Core 2.6GHz processor for high performance computing needs.

The 19R touchcomputer series is the latest addition to the Elo TouchSystems family of reliable, multi-function touch solutions. The 19R Series All-in-One touchcomputers offer maximum flexibility by supporting the popular Microsoft Windows® XP operating system and is also available without an operating system. Both units utilize Elo Touchsystem's Acoustic Pulse Recognition (APR) touch technology for its recognized ability to withstand 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 stand and tiltable display
- ■ Zero-Bezel Acoustic Pulse Recognition
- ■ Touchscreen sealed from the factory
- ■ Security lock receptacle
- ■ North America/European agency approvals
- ■ Field-installable peripherals
- ■ Serial, USB 2.0, Ethernet 10/100/1000, PS/2, Audio and parallel ports
- ■ Excellent cable management; cables hidden from view
- ■ 3-year warranty

Benefits

- ■ Elo quality and reliability
- ■ Eliminate accidental damage when liquids are spilled
- ■ Minimizes accidental or inadvertent changes to the display's controls
- ■ Minimizes downtime with peripherals that are easily installed in the field rather than factory
- ■ Accessible POS/POI-focused input/output ports make installation of peripherals easy
- ■ Customer satisfaction and peace of mind

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19R1 and 19R2 19″ All-in-One LCD Desktop Touchcomputers

Computer Specifications	19R1:	19R2:
Processor	Integrated Dual-Core Intel® 1.6 GHz Atom™ processor 330 with a 533 MHz system bus	Intel® Pentium® Processor E5300 (2M Cache, 2.60 GHz, 800 MHz FSB)
Memory (RAM)	1GB DDR2 533MHz SDRAM (Expandable to 2GB, available as a custom order only)	2GB DDR2 533MHz SDRAM (Expandable to 4GB, available as a custom order only)
Hard disk drive	1 x 2.5" SATA hard drive, 80GB	1 x 2.5" SATA hard drive, 160GB
Chipset	Intel® 945GC/ICH7	Intel® Q35/ICH9DO
Graphics	Intel® Graphics Media Accelerator 950	Intel® Graphics Media Accelerator 3100 up to 384MB
Rear I/O (Input/Output)	VGA: 1; Ethernet: 1 (10/100/1000 USB: 2 (USB 2.0); Audio: Integrated High Definition Audio (with 6-channel mode) 1 x 3.5 mm line-in; 1 x 3.5 mm line-out; 1 x 3.5 mm mic-in; Parallel: 1; Serial: 1 (RS-232); PS/2: 2 (1 x K/B and 1 x Mouse)	VGA: 1; Serial: 1 (RS-232); PS/2: 2 (1 x K/B and 1 x Mouse); USB: 2 (USB 2.0); Ethernet: 2 x Intel GbE LAN; Audio: 5.1 Channel HD Audio; 1 x 3.5 mm line-in; 1 x 3.5 mm line-out; 1 x 3.5 mm mic-in
Additional Internal I/O (for factory customization only)	USB: 3 (USB 2.0 ports); S/PDIF: 1; IDE: 1 (44 Pin); SATA: 1; PCI: 32-bit/ 33MHz, 1 slot	USB: 3 (USB 2.0 ports); Internal: 1 x RS-232; 1 x IDE, 3 x SATA II; 1 x PCIe x16, 1 x PCIe Mini Card
Enclosure color	Dark gray with silver accent stripe	
Display	Size: 19.0″ diagonal; Type: Active matrix TFT LCD; Aspect ratio: 16:10 (Wide)	
Computer dimensions (max. with stand)	Width: 17.7″ (449 mm); Height: 15.0″ (380 mm); Depth: 11.8″ (300 mm) Dimensions vary with tilt angle and options selected	
Operating systems supported	Microsoft Windows® XP Professional SP3 (also available without OS)	
Power supply	Type: External DC (power brick); Input: 110-240 V~, 50-60 Hz, 2.0-1.0 A; Output: 12 V at 9.165 A max.	
Power consumption	110 W max.	
Form factor	Mini-ITX	
Touchscreen	Acoustic Pulse Recognition (APR)	
Real time clock	Replaceable Lithium battery backed up real time clock	
Options	Magnetic stripe reader and speaker bar unit; Speaker bar. Custom upgrades only: DVD burner drive (internal); USB wireless adapter; TV tuner card (available for 19R1 only)	
Temperature	Operating: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F)	
Humidity (noncondensing)	Operating: 20%-80%; Storage: 5%-95%	
Weight (with all options)	Actual: 10.66kg (23.5 lbs); Actual without stand: 7.71kg (17 lbs); Shipping: 14.06kg (31 lbs)	
Warranty	3 years	
Optional product coverage	Advance Unit Replacement program (North America only)	
Backlight lamp life	Minimum 40,000 hours to half brightness	
MTBF	50,000 hours demonstrated	
Agency approvals	UL/cUL (UL60950-1/CSA C22.2 No. 60950-1-03), FCC Class A, TUV (EN60950-1), CE	
Elo declarations	RoHS, WEEE, CE	
On-screen display (OSD)	Controls (side): menu, up, down, select, power; Settings: automatic adjustment, contrast, brightness, H/V position, clock, phase, fill screen, color temperature, input video select, OSD H/V position, OSD timeout, recall defaults, sharpness, volume, mute, input video select; OSD language (English, French, Italian, German, Spanish, Japanese, Simplified and Traditional Chinese)	

Display Specifications

Display Specifications	
Useful screen area	Horizontal: 408 mm (16.0″); Vertical: 255 mm (10.0″)
Native (optimal) resolution	1440 x 900 at 60Hz
Colors	16.7 million
Brightness (typical)	LCD panel: 300 nits; Acoustic Pulse Recognition: 270 nits
Response time–total (typical)	5 msec
Viewing angle (typical)	Horizontal: ±80° or 160° total; Vertical: ±80° or 160° total
Contrast ratio (typical)	1000:1

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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