19MR1 19" All-in-One LCD Desktop Touchcomputer

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

The 19MR1 All-in-One Desktop Touchcomputer meets the needs of various healthcare applications including patient bedside entertainment, patient check-in and kiosk applications, mobile computer on wheels for patient charting applications, digital signage in medical settings, medical OEM control panels and non-diagnostic image viewing applications, in addition to standard agency certifications. The 19MR1 has UL60601 certification, and meets IPX1 drip-proof rating. It also comes with the Intel® Atom™ Dual-Core 1.6GHz processor to meet a wide range of touch computing needs.

The 19MR1 touchcomputer is the latest addition to the Elo TouchSystems family of reliable, multi-function touch solutions. The 19MR1 All-in-One touchcomputer offers maximum flexibility by supporting the popular Microsoft Windows® XP operating system and is also available without an operating system. The 19MR1 utilizes Elo TouchSystem's Acoustic Pulse Recognition (APR) touch technology for its recognized ability to withstand the rigors of healthcare and public venues such as bedside entertainment, retail display units, customer loyalty systems, point of information systems, internet access sites, digital signage 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

Tyco Electronics

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Computer Specifications

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
Processor	Integrated Dual-Core Intel® 1.6 GHz Atom™ processor 330 with a 533 MHz system bus
Memory (RAM)	1GB DDR2 533MHz SDRAM (Expandable to 2GB, available as a custom order only)
Chipset	Intel® 945GC/ICH7
Graphics	Intel® Graphics Media Accelerator 950
Operating systems supported	Microsoft Windows® XP Professional SP3 (also available without OS)
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)
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
Hard disk drive	1 x 2.5″ SATA hard drive, 160GB
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
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), UL/cUL (UL60601-1/CSA-C22.2 No. 601.1-M901), FCC Class A, TUV (IEC60601-1), TUV (EN60950-1), CE, IPX1
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

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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