4200L 42" Interactive Digital Signage Touch Display

The 4200L Interactive Digital Signage (IDS) display combines precision Elo touch screen technology with a professional-grade, large format LCD panel. The 4200L offers System Integrators, Value-Added Resellers and Software Developers a high-performance touch solution for interactive digital displays in high traffic consumer environments.

The 42-inch 4200L is part of a new family of touch displays which bring interactivity to digital signage. The Elo TouchSystems 4200L features two sensitive, accurate touchscreen technologies, both with pure-glass construction: for an elegant appearance the innovative Acoustic Pulse Recognition (APR) touchscreen technology has a seamless, zero-bezel design and IntelliTouch surface acoustic wave uses a standard bezel design. The display is housed in a highly durable steel chassis for a long life of reliable and durable performance in almost any public-access location. Zero-bezel APR recognizes touch with a finger, gloved hand, prosthetic, stylus, card or pen while the IntelliTouch touchscreen recognizes touch by a finger, gloved hand, prosthetic, or virtually any soft stylus. With either technology the result is an efficient display canvas for almost any commercial application.

Optional high performance computer modules are well-suited for running interactive media and are available with a choice of two processing models: ECM1 with the Intel Celeron Dual-Core 2.2GHz and ECM2 with the Intel Core 2 Duo 3.0GHz. The computer modules are field-installable, easily sliding into a dedicated bay behind the touch display and locking into place with two thumbscrews. These modules make the 4200L a reliable platform that is interoperable with content management servers and support optimal partitioning of locally cached and network stored content.

Benefits

- Professional-grade hardware provides improved durability withstands rigors of public use over "consumer-type" TV displays
- Advertising and content effectiveness measured in real-time with interactive feedback
- Edge-to-edge glass design facilitates easy care and cleaning, plus dust and liquid resistance
- Power and display control functions can be locked out to prevent tampering
- Built-in speakers provide audio expansion capabilities
- Choice of reliable and resilient APR or IntelliTouch technologies deliver an exceptional touch experience
- Landscape and portrait orientations allow flexible configurations to suit a variety of design layouts

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Model	4200L
Useful screen area	Horizontal: 36.6" (930 mm); Vertical: 20.6" (523 mm)
Monitor dimensions (without stand)	Width: 40.2" (1020 mm); Depth: 5.2" (132 mm); Height: 24.1" (613 mm)
Touch technology	Zero-bezel Acoustic Pulse Recognition (APR)
Speakers	A pair of 10 W stereo speakers facing down (in landscape mode)
Audio input connector	3.5 mm TRS jack
Audio input signal range	1 Vrms max stereo signal (standard PC line out)
Headphone output connector	3.5 mm TRS jack
Headphone output signal (for 1KHz signal)	Delivers 90 mW of power into a 32 ohm stereo load
LCD technology	Active matrix TFT LCD
Diagonal size	42"
Aspect ratio	16:9
On-screen display (OSD)	Controls: menu, up, down, select; settings: brightness, contrast, clock, phase, auto-adjust, H-position, V-position; maintain aspect ratio, sharpness, color temperature, OSD timeout, OSD language, mounting, OSD H-position, OSD V-position, volume, mute, recall defaults, video source, audio source; Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese; Lockouts: OSD, power; accessible through switches on the rear, or through the standard Elo OSD control box.
Stand options	Optional stand available, order Part Number E448725
Mounting options	VESA MIS-F, 600 x 400, Y, 6, 90
Native (optimal) resolution	1920 x 1080
Other supported resolutions	640 x 480 at 60 Hz; 720 x 480 at 60 Hz; 720 x 576 50 Hz; 800 x 600 at 56, 60 Hz; 1024 x 768 at 60 Hz; 1280 x 720 at 50, 60 Hz; 1280 x 960 at 60 Hz; 1280 x 1024 at 60 Hz; 1360 x 768 at 60 Hz; 1366 x 768 at 60 Hz; 1440 x 900 at 60 Hz; 1680 x 1050 at 60 Hz; 1920 x 1080 at 50, 60 Hz
Colors	16.7 million
Brightness (typical)	LCD panel: 700 nits; with APR: 600 nits; with IntelliTouch: 630 nits
Response time (Tr + Tf) total (typical)	6.5 msec
Viewing angle (typical)	Horizontal: ±89° or 178° total; Vertical: ±89° or 178° total
Contrast ratio (typical)	3500:1
Input video format	Analog VGA, HDMI 1.3
Input video signal connector	Female DE-15 for Analog VGA; HDMI Type A receptacle for HDMI
Input frequency	Horizontal: 32-80 kHz; Vertical: 47-61 Hz
Power supply	Internal AC
Input voltage	100-240 VAC, 50/60 Hz
Power connector	IEC 60320 C14
Power consumption (typical)	Monitor only: ON, max. audio, 100 V/60 Hz: 230 W; SLEEP, 100 V/60 Hz: 12.5 W; OFF, 100 V/60 Hz: 11.5 W
Temperature	Operating: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 50°C (-4°F to 122°F)
Humidity (non-condensing)	Operating: 20-80%; Storage: 10-90%
Weight	Actual: w/o Computer Module: 74.7 lb (33.9 kg); with Computer Module: 80.5 lb (36.5 kg)
Shipping	99.7 lb (45.2 kg) (Computer Module shipped separately)
Shipping box dimensions	Width: 47.0" (1194 mm); Depth: 12.0" (305 mm); Height: 31.0" (788 mm)
Warranty	3 years
MTBF	50,000 hours demonstrated
Agency approvals	Argentina S-mark; Australia C-Tick; Canada cUL; China CCC; Mexico NOM; Russia & CIS GOST; United States UL; Elo declarations; Europe CE; Canada IC; Japan VCC; United States FCC

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

North America
800-ELO-TOUCH
TE Touch Solutions
Tel 1-650-361-4800
301 Constitution Drive
Fax 1-650-361-4722
Menlo Park, CA 94025-1110
customerservice@elotouch.com

Europe
Tel +32 (0)16 35 21 00
Fax +32 (0)16 35 21 01
elosales@elotouch.com

Asia-Pacific
Tel +81 (45) 478-2161
Fax +81 (45) 478-2180
www.tps.co.jp

Latin America
Tel 786-923-0251
Fax 305-931-0124
www.elotouch.com.ar

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