



# 4600L 46" Interactive Digital Signage Touch Display

**The 4600L Interactive Digital Signage (IDS) display** combines a precision Elo touch screen with a professional-grade, large format LCD panel. The 4600L offers System Integrators, Value-Added Resellers and Software Developers a high-performance touch solution for interactive digital displays in high traffic environments.

The 46" 4600L is part of a family of large-format touch displays which bring interactivity to digital signage. The 4600L features a choice of three sensitive, accurate touchscreen technologies, each with pure-glass construction for visual clarity:

- Optical touch provides multi-touch (up to 4 touches) and gesture support (Microsoft® Windows 7 required)
- For an elegant appearance the innovative Acoustic Pulse Recognition (APR) touchscreen technology has a seamless, zero-bezel design
- IntelliTouch single-touch surface acoustic wave touchscreen stands out for consistent reliability

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. Optical touchscreen technology 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 these technologies 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 4600L 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" displays
- Power and display control functions can be locked out to prevent tampering
- Built-in speakers provide audio expansion capabilities
- Choice of reliable and resilient optical, APR or IntelliTouch touchscreen technologies delivers an exceptional touch experience
- Landscape and portrait orientations allow flexible configurations to suit a variety of design layouts
- Advertising and content effectiveness measured in real-time with interactive feedback
- Available optional slide-in integrated computer module with no cables



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Model	4600L
Useful screen area	Horizontal: 40.1" (1018 mm); Vertical: 22.5" (573 mm)
Monitor dimensions (without stand)	Width: 44.1" (1120 mm); Depth: 5.3" (135 mm); Height: 26.1" (664 mm)
Touchscreen technology	Zero-bezel Acoustic Pulse Recognition (APR); IntelliTouch SAW; optical multi-touch
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	46"
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.
Monitor Diagnostics Control	RS-232 interface or through Elo computer module docking connector
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: 450 nits; with APR: 405 nits; IntelliTouch: 405 nits; optical multi-touch: 405 nits
Response time (gray-to-gray) (typical)	8 msec
Viewing angle (typical)	Horizontal: ±89° or 178° total; Vertical: ±89° or 178° total
Contrast ratio (typical)	3000:1
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: 48-62 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: 234 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: without Computer Module: 82.1 lb (37.2 kg); with Computer Module: 87.7 lb (39.8 kg)
Shipping	110.2 lb (50.0 kg) (Computer Module shipped separately)
Shipping box dimensions	Width: 51.3" (1314 mm); Depth: 13.0" (330 mm); Height: 33.7" (855 mm)
Warranty	3 years
MTBF	50,000 hours demonstrated
Agency approvals	CB, UL, cUL ,FCC, CE, VCCI, IC, C-TICK, S-Mark, CCC, Russia & CIS GOST, NOM, KC, BSMI

To find out more about Elo's extensive range of touch solutions, go to [www.elotouch.com](http://www.elotouch.com), or call the office nearest you.

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