B-Series "Performance" All-in-One LCD Desktop Touchcomputers

The Elo TouchSystems B-Series "Performance" B1 model provides a compact, configurable, ruggedized touchcomputer in two screen sizes: 15-inch and 17-inch. These models are available with a choice of three industry-leading Elo touch technologies: IntelliTouch surface acoustic wave, AccuTouch Zero-Bezel resistive and Zero-Bezel APR (Acoustic Pulse Recognition). The "Performance" models have been developed to meet the diverse needs of a wide variety of point-of-sale (POS), point-of-information (POI), and point-of-service venues, including retail and hospitality display units, customer loyalty systems, internet access sites, digital signage as well as bedside entertainment, home automation and control.

The B-Series "Performance" touchcomputers have a compact, stylish design, with a choice of configuration and connectivity options as well as ease of serviceability. These models feature a fan-cooled Intel Celeron Dual-Core 2.2GHz processor, and support multiple customer-installable memory and storage configurations.

Also available with the B1 are two additional models: the fanless "Cool and Quiet" B2 touchcomputers, available with the Intel Atom Dual-Core 1.66GHz processor; and the powerful fan-cooled "Performance Ultra" B3 with the Intel Core 2 Duo 3.0GHz processor.

Features

■ Small footprint, retail-hardened, flexible touchcomputer

■ Full range of standard connectivity ports plus expansion ports to add functionality

■ Customer-installable peripheral, memory and storage options

■ Supports industry standard low profile PCI-E (PCI Express) expansion cards

■ HDMI output for true high-definition video and audio

■ Choice of three industry-leading Elo touch technologies: AccuTouch Zero-Bezel, Zero-Bezel APR (Acoustic Pulse Recognition) and IntelliTouch

■ "Designed for touch" from the ground-up; stable stand and tiltable display

■ 3 year warranty plus Elo quality and reliability

Benefits

■ Outstanding configurability and customization options to meet all your connectivity needs

■ Zero-Bezel models provide a seamless, edge-to-edge design for a sleek appearance that is easy to clean and maintain

■ Stability to withstand the rigors of use in a public environment

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Computer Specifications	15B1 15-inch model:	17B1 17-inch model:
Enclosure color	Dark grey	
Processor	Intel Celeron Dual Core E1500 2.2GHz 512KB L2 Cache	
Memory (RAM)	2GB DDR2 DIMM on 1 of 1 slot. Expandable to 4GB	
Chipset	Intel G41 Express	
Video	Intel GMA X4500	
Operating system options	No Operating System; Microsoft Windows 7 Professional (32-bit only); Microsoft Windows POSReady 2009; Microsoft Windows XP Professional Service Pack 3 (32-bit only)	
Serial Ports	2 x RS232	
USB Ports	4 x USB on I/O, 1 x USB side access, 1 x USB hidden/protected. Additional internal ports available for optional Elo peripherals	
Ethernet Gigabit	1 x LAN RJ45 (Gigabit)	
Audio Ports	1 x 3.5mm line-in; 1 x 3.5mm line-out; 1 x 3.5mm mic-in	
Speakers	Two 2W internal speakers	
Hard Disk Drive	160GB 2.5" SATA HDD	
Real-Time Clock	Replaceable lithium-ion battery for clock	
On-Screen Display (OSD)	Settings: brightness, contrast, phase, auto adjust, H-position, V-position, clock, sharpness, RGB, OSD H-position, OSD V-position, OSD time, OSD language, recall, power button; Languages: English, French, Italian, German, Spanish, Japanese, Traditional Chinese, Simplified Chinese; Lockouts: user controls	
Computer Dimensions (max. with stand, dimensions vary with tilt and options)	14.0" x 10.5" x 14.3" (354.4mm x 267mm x 363.5mm)	15.2" x 10.5" x 14.2" (386.4mm x 267mm x 361.0mm)
Weight	With stand: 20.5lb (9.3 kg); without stand: 15.7lb (7.1kg); shipping: 29.1lb (13.2kg)	With stand: 23.1lb (10.5kg); without stand: 18.3lb (8.3kg); shipping: 31.7lb (14.4kg)
Shipping Box Dimensions	17.4" x 10.2" x 21.9" (443mm x 258mm x 555mm)	
Power Consumption (max.)	84W (without peripherals)	
Temperature	Operating: 32°F to 95°F (0°C to 35°C); Storage -4°F to 140°F (-20°C to 60°C)	
Humidity (non-condensing)	Operating: 20% to 80%; Storage: 5% to 95%	
Warranty	3 years	
Backlight Lamp Life	Minimum 50,000 hours to half brightness	
MTBF	50,000 hours demonstrated	
Cables and Accessories	North American and European power cables included	
Power Supply	External 12VDC universal-type power supply brick; AC input voltage: 100-240VAC; Input frequency: 50-60Hz; Max output power: 270W	
Agency Certification	UL/cUL, CE, BSMI, NOM, AR, CCC, EK, KCC, GOST-R, RCM, C-Tick, VCCI	
Other Features	Serviceable internal components; touchscreen sealed to bezel and LCD for APR and AccuTouch models; Kensington Security Lock	

Display Specifications

Display	15.0" diagonal, Active matrix TFT LCD, 4 x 3	17.0" diagonal, Active matrix TFT LCD, 5 x 4
Useful screen area (W x H)	11.97" (304.1mm) x 8.98" (228.1mm)	13.30" (337.9mm) x 10.64" (270.3mm)
Native (optimal) resolution	1024 x 768	1280 x 1024
Colors	16.7 million	
Brightness (typical)	Acoustic Pulse Recognition: 225 nits; AccuTouch: 200 nits; IntelliTouch: 225 nits	
Response time–total (typical)	8 msec	5 msec
Viewing angle (typical)	Horizontal: ±70° or 140° total; Vertical: 60°/65° or 125° total	Horizontal: ±80° or 160° total; Vertical: ±80°or 160° total
Contrast ratio (typical)	700:1	1000:1
Available Touch Technologies	IntelliTouch surface acoustic wave; AccuTouch Zero-Bezel resistive; Zero-Bezel APR (Acoustic Pulse Recognition)	

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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