B-Series Model B2 Rev. B Fan-less All-in-One Touchcomputers

The Elo Touch Solutions B-Series Fan-less B2 model provides a compact, configurable, ruggedized touchcomputer in two screen sizes: 15-inch and 17-inch. These models are available with a choice of industry-leading Elo touch technologies: AccuTouch ("no-bezel" resistive) or iTouch Plus (zero-bezel multi-touch surface acoustic wave). The B-Series B2 models are fan-less—well-suited for environments where noise may be an issue—and can 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 and mobile kiosks.

The B-Series touchcomputers have a compact, stylish design, with a choice of configuration and customer-installable peripheral options as well as ease of serviceability. These models feature a fan-less Intel Atom™ Dual-Core 1.86GHz N2800 processor, and support multiple customer-installable memory and storage configurations. For applications requiring even higher perform-ance, look at the powerful, fan-cooled B3 models with the 3rd Generation Intel Core-i3, 3.3GHz i3-3220 processor with HD2500 graphics.

Features

- Small footprint, retail-hardened, flexible touchcomputer
- Fan-less model ideal for quiet environments
- Full range of standard connectivity ports for retail POS/POI and hospitality applications
- Customer-installable peripheral, memory and storage options
- Choice of industry-leading Elo touch technologies: AccuTouch ("no-bezel" resistive) and iTouch Plus (zero-bezel multi-touch surface acoustic wave)
- "Designed for touch" from the ground-up; stable stand and tiltable display
- 3 year standard 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

	15B2 15-inch model:	17B2 17-inch model:
Enclosure Color	Dark grey	
Processor	Intel 1.86GHz Atom Dual-Core N2800; 1MB L2 Cache; 2.5 GT/s Direct Media Interface (DMI)	
Memory (RAM)	2GB 1333MHz DDR3 SO-DIMM on 1 of 2 slots. Expandable to 4GB	
Chipset	Intel NM10 Express	
Video	Intel GMA 3600	
Serial Ports	2 x Native RS-232	
USB Ports	6 x USB 2.0 (4 on I/O, 1 x USB side access, 1 x USB hidden/protected). (Additional internal ports available for optional Elo peripherals.)	
Ethernet Port	1 x LAN RJ45 (Gigabit)	
Cash Drawer Port	Built-in 12V/24V Cash Drawer Port (24V default; selectable via jumper)	
Additional Video Out	1 x 2nd VGA out port	
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	320GB 2.5" 5400rpm Advanced Format (4K) SATA HDD	
Real-Time Clock	Replaceable lithium-ion battery for clock	
Operating System Options	No Operating System; Microsoft Windows XP Professional Service Pack 3 (32-bit only); Microsoft Windows 7 Professional Service Pack 1 (32-bit only)	
Touchcomputer 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: 17.9lbs (8.1kg); without stand: 13.0lbs (5.9kg); shipping: 24.5lbs (11.1kg)	With stand: 19.8lbs (9.0kg); without stand: 15.0lbs (6.8kg); shipping: 26.4lbs (12.0kg)
Shipping Box Dimensions	17.4" x 10.2" x 21.9" (443mm x 258mm x 555mm)	
Power Consumption (max.)	47W (without peripherals)	48W (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	
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: 150W (max. draw: 170W)	
Agency Certification	UL/cUL, FCC, TUV, CE, CB, Mexico COC, Argentina S-mark (power brick only), C-Tick, VCCI, CCC	
Other Features	Serviceable internal components; removable base with 100mm VESA mounting; threaded holes on bottom of base for mounting; Kensington security lock	

Display Specifications

	15B2 15-inch model:	17B2 17-inch model:
Display	15.0" diagonal, Active matrix TFT LCD (CCFL), 4 x 3	17.0" diagonal, Active matrix TFT LCD (LED), 5 x 4
Useful Screen Area (W x H)	12.0" x 9.0" (304.0mm x 228.0mm)	13.3" x 10.6" (338.0mm x 270.0mm)
Native (optimal) Resolution	1024 x 768	1280 x 1024
Colors	16.7 million	
Brightness (typical)	LCD panel: 250 nits; AccuTouch: 200 nits; iTouch Plus: 225 nits	
Response Time–total (typical)	8 ms	5 ms
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
Controls (bottom)	Power, brightness up, brightness down, volume up, volume down	
Security Lockouts	Power and control buttons lock	
Available Touch Technologies	AccuTouch ("no-bezel" resistive); iTouch Plus (zero-bezel multi-touch surface acoustic wave)	

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

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