



# X-Series

## AiO Touchscreen Computers



**Integrated Touch**



**Commercial Grade**



**3-Year Warranty**

## Product Overview

The Elo X-Series 15-inch, 17-inch and 20-inch All-in-One (AiO) touchcomputers bring style, flexibility and functionality to applications in any retail, self-service or hospitality environment that requires a small footprint POS terminal or kiosk. The X-Series AiO's are available with industry-leading touchscreen technologies including AccuTouch® micro-bezel 5-wire resistive, IntelliTouch® surface acoustic wave, IntelliTouch zero-bezel surface acoustic wave (SAW) and TouchPro™ Projected Capacitive (PCAP).\*

With processor options that scale from the value-based Intel Celeron J1900 to the high-performance Intel Core i7, the X-Series is one of the most powerful systems in its class. And with the wide array of field-installable peripherals, spill-resistant sealing and a range of input/output port connection options, versatility is endless.

**Full range of standard connectivity ports for retail POS/POI and hospitality applications**

**Customer-installable peripheral options - MSR, NFC/RFID, Barcode Reader, EMV and customer-facing displays**

**The unique, modular chassis provides easy access to storage and memory for quick, tool-less service**

\* 20-inch X-Series AiO touchcomputer comes in PCAP only.

## X-Series All-in-One Touchscreen Computers

Model	X2 Model (Fanless)	X3 Model (Fanned-Performance)	X5 Model (Fanned-Ultra)	X7 Model (Fanned-Extreme)
Processor	Intel® Celeron® Processor J1900 (2M Cache, up to 2.42 GHz)	Intel® Core i3-4350T Processor (4M Cache, 3.10 GHz) 4 MB Intel® Smart Cache 5 GT/s Direct Media Interface 2 (DMI2)	Intel® Core i5-4590T Processor (6M Cache, up to 3.00 GHz) by Intel® Turbo Boost Technology 2.0) 6MB Intel® Smart Cache 5 GT/s Direct Media	Intel® Core i7-4790T Processor (8M Cache, up to 3.90 GHz) by Intel® Turbo Boost Technology 2.0) 8MB Intel® Smart Cache 5 GT/s Direct Media Interface 2 (DMI2)
Chipset	N/A	Intel H81 Express	Intel Q87 Express	
Video	Intel HD Graphics	Intel HD Graphics 4600		
BIOS	AMI			
Memory (RAM)	4GB 1600MHz DDR3L SO-DIMM on 1 of 2 slots - Expandable to 16GB maximum on 2 slots			
Storage	128GB 2.5" SATA SSD. Additional options include 320GB 5400 rpm HDD, 500GB 7200 rpm HDD, 1TGB 5400 rpm HDD, 256GB 2.5" SATA SSD			
RAID	N/A		RAID 0 / RAID 1	
TPM	N/A		TPM 1.2	
USB Ports	2 x USB 3.0 on I/O, 4 x USB 2.0 (2 on I/O, 2 on USB Front Access) 3 x USB 2.0 on edges for optional Elo peripherals.		4 x USB 3.0 on I/O, 2 x USB 2.0 (USB Front Access). 3 x USB 2.0 on edges for optional Elo peripherals.	
Powered USB	N/A	1 x 24V; 1 x 12V (On Expansion Module)		
Serial Ports	1 x Serial RS-232 (standard), 1 x RJ45 (Native serial); 2 additional on Expansion Module.			
Parallel Ports	N/A			
Ethernet Port	1 x LAN RJ45 (Gigabit), 1 additional on Expansion Module			
Wireless LAN	802.11 b/g/n			
Bluetooth	BT 4.0			
Cash Drawer Port	12V/24V Cash Drawer Port on Expansion Module (24V default; selectable by BIOS setting)			
Additional Video Out	2nd VGA output			
Audio Ports	1 x 3.5 mm Line out, 1 x 3.5 mm MIC in			
Speakers	Two 2W internal speakers			
Operating System Options	No Operating System, Microsoft Windows 7 Professional 32/64-bit, Microsoft Windows POSReady7 32/64-bit, Microsoft Windows 8.1 Industry Embedded Pro 32/64-bit			
Control Buttons	Power, brightness up, brightness down, volume up, volume down, Security Lockouts: Power and Control buttons lock.			
Aspect Ratio	15" models: 4:3 (standard), 17" models: 5:4 (standard), 20" models: 16:9 (standard)			
Active Display Area (W x H)	15" models: 11.97" x 8.98" (304.12mm x 228.1mm) 15" diagonal, active matrix TFT LED LCD, 17" models: 13.30" x 10.64" (337.92mm x 270.36mm) 17" diagonal, active matrix TFT LED LCD, 20" models: 17.1" x 9.39" (434.88mm x 238.68mm) 20" diagonal, active matrix TFT LED LCD			
Native (Optimal) Resolution	15" models: 1024 x 768 @ 60Hz, 17" models: 1280 x 1024 @ 60Hz, 20" models: 1920 x 1080 @ 60Hz			
Brightness (Typical)	LCD panel: 250 nits, AccuTouch: 200 nits, IntelliTouch: 225 nits, IntelliTouch zero-bezel: 225 nits, PCAP: 212.5 nits			
Response Time Total (Typical)	15" models: Total: 16 msec, 17" models: Total: 5 msec, 20" models: Total: 20 msec			
Viewing Angle (Typical)	15" models: Horizontal: 80°/85° or 165° total, Vertical: 70°/80° or 150° total, 17" models: Horizontal: ± 85° or 170° total, Vertical: ± 80° or 160° total 20" models: Horizontal: 178° total, Vertical: 178° total			
Contrast Ratio (Typical)	15" models: 700:1, 17" models: 1000:1, 20" models: 3000:1			
Power Supply	External 19VDC universal-type power supply brick, AC input voltage: 100-240 VAC, Input frequency: 50-60 Hz, Maximum output power: 90W (Max Draw: 100W)	External 19VDC universal-type power supply brick AC input voltage: 100-240 VAC Input frequency: 50-60 Hz Maximum output power: 150W (Max Draw: 170W)		
Maximum Touchcomputer Dimensions With Stand (W x H x D)	15" models: 14.38" x 13.73" x 2.65" (365.18mm x 348.84mm x 251.7mm), 17" models: 15.64" x 15.40" x 2.86" (397.29mm x 391.07mm x 251.7mm) 20" models: 19.37" x 14.05" x 9.91" (492.12mm x 356.9mm x 251.7mm)			
Weight (With stand and Expansion Module)	15" models: 16.32 lbs (7.41kg), 17" models: 17.09 lbs (7.76kg), 20" models: 17.73 lbs (8.05kg)			
Temperature	Operating: 0°C to 35°C (32°F to 95°F), Storage: -20°C to 60°C (-4°F to 140°F)			
Humidity (non-condensing)	Operating: 20% to 80%, Storage: 5% to 95%			
Regulatory Approvals / Declarations	15" & 17" models: UL/cUL, FCC, TUV, CE, CB, Mexico COC, C-Tick, VCCI, Argentina S-Mark, CCC, 20" models: UL/cUL, FCC, TUV, CE, CB			
Mounting Options	100mm VESA mount or secure base to tabletop/desktop			
MTBF	50,000 hours demonstrated			
Warranty	Three years (Extend two years with additional charge)			
What's in the Box	X-Series Touchcomputer, North America Power Cord; EU Power Cord; Power Adapter - 150W: X3/X5/X7 Or 90W: X2; Adapter Cable RJ-45 to DB-9; Cable cover locking screw, Quick Installation Guide (QIG)			

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

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