



# 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<br>(Fanless)                                                                                                                                                                                                                                                       | X3 Model<br>(Fanned-Performance)                                                                                                                              | X5 Model<br>(Fanned-Ultra)                                                                                                                             | X7 Model<br>(Fanned-Extreme)                                                                                                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                                                     | Intel® Celeron® Processor J1900<br>(2M Cache, up to 2.42 GHz)                                                                                                                                                                                                               | Intel® Core i3-4350T Processor<br>(4M Cache, 3.10 GHz) 4 MB Intel®<br>Smart Cache 5 GT/s Direct Media<br>Interface 2 (DMI2)                                   | Intel® Core i5-4590T Processor<br>(6M Cache, up to 3.00 GHz) by<br>Intel® Turbo Boost Technology<br>2.0) 6MB Intel® Smart Cache<br>5 GT/s Direct Media | Intel® Core i7-4790T Processor<br>(8M Cache, up to 3.90 GHz) by<br>Intel® Turbo Boost Technology<br>2.0) 8MB Intel® Smart Cache 5<br>GT/s Direct Media Interface 2<br>(DMI2) |
| Chipset                                                       | N/A                                                                                                                                                                                                                                                                         | Intel H81 Express                                                                                                                                             | Intel Q87 Express                                                                                                                                      |                                                                                                                                                                              |
| Video                                                         | Intel HD Graphics                                                                                                                                                                                                                                                           | Intel HD Graphics 4600                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                                              |
| BIOS                                                          | AMI                                                                                                                                                                                                                                                                         |                                                                                                                                                               |                                                                                                                                                        |                                                                                                                                                                              |
| Memory (RAM)                                                  | 2GB 1600MHz DDR3L SO-DIMM<br>on 1 of 2 slots - Expandable to<br>8GB maximum on 2 slots                                                                                                                                                                                      | 4GB 1600MHz DDR3L SO-DIMM on 1 of 2 slots - Expandable to 16GB maximum on 2 slots                                                                             |                                                                                                                                                        |                                                                                                                                                                              |
| Hard Disk Drive                                               | 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)<br>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<br>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,<br>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<br>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<br>power supply brick, AC input<br>voltage: 100-240 VAC, Input<br>frequency: 50-60 Hz, Maximum<br>output power: 90W (Max Draw:<br>100W)                                                                                                       | External 19VDC universal-type power supply brick<br>AC input voltage: 100-240 VAC<br>Input frequency: 50-60 Hz<br>Maximum output power: 150W (Max Draw: 170W) |                                                                                                                                                        |                                                                                                                                                                              |
| Maximum Touchcomputer<br>Dimensions With Stand<br>(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)<br>20" models: 19.37" x 14.05" x 9.91" (492.12mm x 356.9mm x 251.7mm)                                                              |                                                                                                                                                               |                                                                                                                                                        |                                                                                                                                                                              |
| Weight (with stand and Expansion<br>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 /<br>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<br>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.

### North America

Tel +1 408 597 8000  
Fax +1 408 597 8050  
[customerservice@elotouch.com](mailto:customerservice@elotouch.com)

### Europe

Tel +32 (0)16 70 45 00  
Fax +32 (0)16 70 45 49  
[elosales@elotouch.com](mailto:elosales@elotouch.com)

### Asia-Pacific

Tel +86 (21) 3329 1385  
Fax +86 (21) 3329 1400  
[www.elotouch.com.cn](http://www.elotouch.com.cn)

### Latin America

Tel 786-923-0251  
Fax 305-931-0124  
[www.elotouch.com](http://www.elotouch.com)

Elo reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products. Elo, the Elo logo, AccuTouch, IntelliTouch and TouchPro are either trademarks or registered trademarks of Elo Touch Solutions, Inc. All other trademarks are the property of their respective owners. © 2016 Elo Touch Solutions, Inc. All rights reserved. 16092AES00020

