Elo Backpack with Intel

Spec Sheet

Document Details

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Overview

This document provides the manufacturer’s specifications and technical details for the Elo Backpack with Intel.

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Elo Backpack® with Intel®

Compact Computer



Windows 11 or No OS

32 pTOPS of Integrated AI Performance

Connectivity-rich I/O

Product Overview

The Elo Backpack with Intel delivers a compact, enterprise-ready compute solution built for modern deployments. Available with Windows 11 or No-OS, it combines powerful Intel processors, integrated AI acceleration of up to 32 pTOPS, and Wi-Fi 6E to drive consistent performance across demanding environments. Purpose-built to fit in compact spaces, the small form factor mounts easily to any counter, wall, or kiosk using the integrated 100 mm VESA pattern.

Built for scale, the Elo Backpack extends a unified compute platform across digital signage, self-service systems, kitchen displays, automation controls, and more—making it easy to deploy and manage the same commercial architecture across any screen size or installation.

Easily secure to any counter, display or in a kiosk in a snap with the built-in 100 mm VESA mount

Easily power the device on or off remotely, regardless of placement

Connectivity includes - HDMI, LAN, Display Port, 4x USB, 2x full-function USB-C, Wi-Fi, Bluetooth & Wi-Fi antennas

Elo Backpack with Intel®

Specifications	
Enclosure Color	Black
Operating System	No Operating System Microsoft Windows 11 IoT Enterprise LTSC 64-bit
Languages	Windows 11 – 36 Language groups
Processor	N97: Intel Processor N97 (6 MB Intel Smart Cache, up to 3.6 GHz by Intel Turbo Boost Technology 3.0) i3: Intel Core 3 Processor N355 (6 MB Intel Smart Cache, up to 3.9 GHz by Intel Turbo Boost Technology 3.0) i5: Intel Core Ultra 5 Processor 135U (12 M Smart Cache, up to 4.4 GHz by Intel Turbo Boost Technology 3.0) Intel® vPro Support
Graphics	N97: Intel UHD Graphics; i3 & i5: Intel Graphics
BIOS	AMI - Note: Secure Boot setting default is enabled
Memory (RAM)	N97: 8GB 4800MHz DDR5 SO-DIMM on 1 slot (Expandable to 16GB maximum) i3: 16GB 4800MHz DDR5 SO-DIMM on 1 slot (Expandable to 16GB maximum) i5: 16GB 5600MHz DDR5 SO-DIMM on 1 of 2 slots (Expandable to 64GB maximum[1] on 2 slots)[2] [1]Maximum memory using 2 slots. Expandable up to 64GB maximum, SO-DIMM DDR5-5600. [2]Check brand of the memory included in your unit before purchasing the memory kit.
Storage	N97: 128GB M.2 PCIe (NVMe) SSD 80 TBW i3 & i5: 256GB M.2 PCIe (NVMe) SSD 160 TBW GB equals one billion bytes when referring to storage capacity. Accessible capacity may be less.
IO Ports	N97 & i3: 1x HDMI; 1x Display Port[1]; 1 x LAN RJ45 (Gigabit); 2 x USB 3.2 Gen 2 + 1 x USB 3.2 Gen 1 + 1 x USB 2.0 ; 2 x Full-function USB-C (Power up to 15W, PD 5V-3A, USB 3.2 Gen 2x1, Display Port); 1 x 3.5 mm headset jack i5: 1x HDMI; 1x Display Port; 1 x LAN RJ45 (Gigabit); 3 x USB 3.2 Gen 2 + 1x USB 3.2 Gen 1; 1 x Full-function USB-C (Power up to 15W, PD 5V-3A, USB 4 Gen 3x2, Display Port); 1 x Full-function USB-C (Power up to 15W, PD 5V-3A, USB 3.2 Gen 2x2, Display Port); 1 x 3.5 mm headset jack [1] Note: N97 & i3 models support a maximum of three simultaneous displays.
TPM	TPM 2.0
AMT	N97 & i3: N/A i5: Intel Active Management Technology
Wireless	802.11 a/b/g/n/ac/ax 2.4GHz, 5GHz and 6GHz; Bluetooth 5.3
Antenna	2T2R design with External SMA connector
Control Buttons	Power Button, Remote Power Button Port
Power Supply	External 19VDC universal-type power supply brick; AC input voltage: 100-240 VAC; Input frequency: 50-60 Hz; Maximum output power: 90W
Power Consumption (Typical)	Without Peripherals: On N97: 21W; On i3: 25.5W; On i5: 26W; Sleep: < 2W; Off BIOS EUP Disable: < 1 W ; Off BIOS EUP Enabled: < 0.5W
Dimensions	5.48" x 4.48" x 1.72" / 139.1 mm x 113.75 mm x 43.66 mm
Shipping Dimensions	Individual System: 14.92" x 8.15" x 3.23" / 379 mm x 207 mm x 82 mm 6 systems/carton: 17.36" x 10.63" x 16.26" / 441 mm x 270 mm x 413 mm
Weight	2.14 lbs / 0.97 kg
Shipping Weight	Individual System: 5.01 lbs / 2.27 kg 6 systems/carton: 32.08 lbs / 14.55 kg
Temperature	Operating: 0°C to 40°C / 32°F to 104°F Storage: -20°C to 60°C / -4°F to 140°F Note: The thermal report passes with airflow 0.5m/s + CPU Minimum assured power condition. To assure proper airflow, please remove the protective film on the sides of the machine before activating the unit.
Humidity (non-condensing)	Operating: 10% to 90% \nStorage: 0% to 95% (38.7°C max wet bulb temperature)
Mounting Options	Bracket mounts to table with screws or VESA 100mm
Real-Time Clock	Lithium coin cell battery for real time clock
Regulatory Approvals and Declarations	Canada cUL, IC; United States UL, FCC; Germany TUV; Europe CE; Australia RCM; United Kingdom UKCA; International CB; Japan VCCI, MIC; China CCC, SRRC; Mexico NOM; RoHS CoC
Real-Time Clock	Replaceable CR2450 lithium metal battery for clock
Warranty	3 years
Extended Warranty	4 year - Elo P/N: E896120; 5 year - Elo P/N: E896322 3 year + AUR - Elo P/N: E896699; 4 year + AUR - Elo P/N: E896903; 5 year + AUR - Elo P/N: E897104
Other Features	Serviceable internal components; Kensington Nano Security Slot.
What's in the Box	Backpack with Intel; North America Power Cord (1800+/-50mm), (6 ft +/- 1 inch); EU Power Cord (1800+/-50mm); Power Adapter – 90W; USB Type-C cable (1800+/-50mm), (6 ft +/- 1 inch); 2x SMA Antenna; Quick Installation Guide (QIG); 2x Side mount bracket and 4x M4 x 5mm screws; 4x M4 x 40mm screws

Ordering Information

Part Number	Processor	OS	Memory	Storage
E345165	N97	No OS	8GB	128GB
E345569	N97	Windows 11	8GB	128GB
E345966	i3-N355	No OS	16GB	256GB
E346150	i3-N355	Windows 11	16GB	256GB
E346334	i5-135U	No OS	16GB	256GB
E346532	i5-135U	Windows 11	16GB	256GB

Learn more about Elo at **EloTouch.com**.

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