The Elo M50 is an enterprise-grade mobile computer purpose-built to increase efficiency by putting everything your workers need into the palm of their hands. Complete with a 5.5-inch HD touch display, integrated 2D barcode scanner and NFC, flexible Android 10 OS and Qualcomm 660 octa-core processor, the M50 handheld computer provides seamless integration, effortless provisioning and simplified device management via EloView or your preferred 3rd party MDM.

With rugged housing meeting MIL-810G requirements and Corning Gorilla Glass technology to provide protection against unintentional spills, the M50 is purpose-built to endure commercial use. From checking prices to taking inventory, Elo’s M50 allows your employees to be ready on the go.

**Product Overview**

Connect without barriers - WiFi, Bluetooth and cellular available

Durable design to meet the demands of continuous public use - Gorilla Glass, MIL810-G, IP65

Deploy content, manage settings and maintain the OS with EloView

Battery life to cover your shift and with quick charge, your device can be fully-powered in just about an hour
M50 Mobile Computer

Specifications

Display
5.5" Optically Bonded High Definition LCD

Touchscreen
TouchPro® PCAP (Projected Capacitive) with Corning Gorilla Glass, water rejection and anti-fingerprint coating

Operating System
Android 10 with Google™ Play Services (AOSP capable); China Model: Android 10 AOSP; Planned upgrade to Android 11 (Android 12 support pending)

Processor
Qualcomm Snapdragon 660 2.2GHz Octa-Core Processor

Memory
4GB

Storage
64GB

Expansion Slot
MicroSD up to 32GB SDHC and up to 256 GB SDXC

I/O Ports
USB Type-C for display, charging and data

Wireless
802.11a/b/g/n/ac with 2x2 MU-MIMO, Bluetooth 5.0

Cellular
Available on cellular SKU’s with user accessible nano SIM slot. LTE US Carriers: AT&T; LTE Europe: Open Carrier
For E862757: WCDMA: B2, B4, B5; LTE: B2, B4, B12
For E993091: WCDMA: B1, B8; LTE: B1, B3, B7, B8, B20

GPS
Simultaneous GNSS Receiver for GPS, GLONASS, Galileo and BeiDou; AGPS support (cellular models only)

LED
1x combination Green/Amber LED for battery/charging status, 1x combination Blue/Red user programmable LED

Keyboard
On screen keyboard

Audio
Microphone; 1W Front facing speaker; Bluetooth headset support; USB-C headset support

Buttons
Left and Right Programmable Scanner Trigger Buttons; Power Button

Integrated Peripherals
NFC - MiFare, Felica, ISO15693, ISO 14443-A, ISO 14443-B, P2P mode and Card Emulation
Barcode Scanner - Zebra SE4710 scan engine (1D/2D Imager)
Camera - BMP Auto-Focus with Flash LED and Flashlight (Torch)

Sensors
Light sensor (automatically adjust backlight brightness); Proximity sensor (disable display and touch when user places against head); Accelerometer

Contrast Ratio
1000:1 typical

Native (optimal) Resolution
1280 x 720

Brightness
400 nits

Battery
Rechargeable, 3.8V/4000mAh; User swappable; Qualcomm Quick Charge 4

Dimensions
Unpackaged: 3.36" x 6.57" x 0.68" / 85.5 mm x 167 mm x 17.4 mm
Packaged: 8.54" x 5.59" x 2.83" / 217 mm x 142 mm x 72 mm

Weight
Unpackaged: 327g
Packaged: 700g

Drop Specification
Multiple 4ft/1.2m drops per MIL810-G standard

Tumble Specification
1000 tumbles, 1.6ft./0.5m per IEC 60068-2-32

Sealing
IP65 per IEC standard 60529

Temperature
Operating: 32°F to 122°F (0°C to 50°C); Storage: -22°F to 140°F (-30°C to 60°C)

Humidity
5% to 95% non-condensing

ESD
Class C: 8kV contact, 15kV air

Regulatory approvals and declarations
UL, FCC (US) - Class B; cUL, IC (Canada) ; CB (International safety); CE (Europe) - Class B; VCCI (Japan); RCM (Australia); China RoHS

Warranty
1-year

Extended Warranty
3 year + ADP - Elo P/N: E672040 , 5 year + ADP - Elo P/N: E672239
1 year + AUR + ADP - Elo P/N: E894512, 3 year + AUR + ADP - Elo P/N: E672440, 5 year + AUR + ADP - Elo P/N: E672646
3 year + ADP + OS 360 - Elo P/N: E893726, 5 year + ADP + OS 360 - Elo P/N: E893926
3 year + AUR + ADP + OS 360 - Elo P/N: E894322, 5 year + AUR + ADP + OS 360 - Elo P/N: E894322
3 year OS 360 - Elo P/N: E873133, 5 year OS 360 - Elo P/N: E873326

Security Updates
Complimentary security updates provided for 1 year. Optional extended coverage available with EloCare OS 350 package

What’s in the box
Elo M50 mobile computer, USB Type C Charger with Qualcomm Quick Charge 4.0 , Quick Install Guide

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OS</th>
<th>Cellular/WiFi</th>
<th>Availability</th>
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<tr>
<td>E862757</td>
<td>Android 10 (GMS)</td>
<td>Cellular (AT&amp;T)</td>
<td>United States</td>
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<tr>
<td>E993091</td>
<td>Android 10 (GMS)</td>
<td>Cellular (Open Carrier)</td>
<td>Europe</td>
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<tr>
<td>E862573</td>
<td>Android 10 (GMS)</td>
<td>WiFi</td>
<td>Worldwide</td>
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<td>E994271</td>
<td>Android 10 (AOSP)</td>
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Optional Accessories

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<th>Part Number</th>
<th>Accessory</th>
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<tbody>
<tr>
<td>E863687</td>
<td>EM10 Expansion Module</td>
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<tr>
<td>E864066</td>
<td>DS10 Docking Station</td>
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<tr>
<td>E864653</td>
<td>DC10 4 Slot Device Charger</td>
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<tr>
<td>E461816</td>
<td>BC10 4 Slot Battery Charger</td>
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<tr>
<td>E864455</td>
<td>M50 Battery</td>
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<tr>
<td>E994659</td>
<td>HS10 Hand Strap</td>
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Learn more about Elo at EloTouch.com.