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# Elo M50

Mobile Computer



5.5" HD Display



2D Barcode Scanner



Android 10

## Product Overview

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.

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 - SE4710 scan engine (1D/2D Imager) Camera - 8MP 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: E894122, 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

Part Number	OS	Cellular/WiFi	Availability
E862757	Android 10 (GMS)	Cellular (AT&T)	United States
E993091	Android 10 (GMS)	Cellular (Open Carrier)	Europe
E862573	Android 10 (GMS)	WiFi	Worldwide
E994271	Android 10 (AOSP)	WiFi	China

## Optional Accessories

Part Number	Accessory
E863687	EM10 Expansion Module
E864066	DS10 Docking Station
E864653	DC10 4 Slot Device Charger
E461816	BC10 4 Slot Battery Charger
E864455	M50 Battery
E994659	HS10 Hand Strap

Learn more about Elo at [EloTouch.com](https://www.elotouch.com).

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