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 12 available with OS 360 subscription
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, T-Mobile, Telus; LTE Europe: Open Carrier For E862757: WCDMA: B2, B4, B5; LTE: B2, B4, B12m B13, B66 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 OS 360 - Elo P/N: E873133
Security Updates	Monthly Android security updates available with Elo OS 360 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

Part Number	Accessory
E864455	M50 Battery
E994659	HS10 Hand Strap
E278069	RB10 Protective Rubber Boot

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

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