SL25 X / W

The SL25, with outstanding durability and an expanded wide display, delivers excellent visibility and reliable performance even in demanding work environments.

Product Spec

- 2.2 GHz Octa-core
- Android 13 to 16
- 4G / Wi-Fi 6E
- 6GB RAM / 128GB ROM
- 5000mAh / Hot Swap Support
- 6 Inch HD+ Display

A practical mobile computer that strikes a balance between a sleek, smartphone-style design and enterprise-optimized performance. It is ideal for companies in retail, logistics, and field services where both functionality and smart technology are essential. Equipped with key features such as Wi-Fi 6E, 4G, and hot-swap battery support, and enhanced with an aluminum LCD panel for superior durability compared to competitors, it offers a strategic solution for businesses aiming to reduce Total Cost of Ownership (TCO) while boosting operational efficiency and on-site productivity.

Faster, Smarter Barcode Scanning Options

You can choose between the SE4710, which offers approximately twice the barcode capture speed compared to standard smartphone cameras, and the high-performance CM60 2D scan engine. Both options enable fast and reliable one-time capture of nearly all types of barcodes.

Ergonomic Design with a Durable 6-Inch Display

The 6-inch reinforced display delivers responsive touch and lasting durability. Its ergonomic design ensures easy onehanded use and long-term comfort.

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Powerful Processing and Seamless Connectivity

Equipped with a 2.2GHz Octa-Core processor, it delivers fast and stable performance. Experience smooth, uninterrupted wireless communication with Wi-Fi 6E, NFC, and Bluetooth 5.0. Advanced technologies like OFDMA and BSS Coloring help maintain network speed even in congested environments.

Enhanced Stability and Lower TCO Through OS Support

Continuous OS support ensures a secure and reliable operating environment. It enables seamless use of new applications and features, going beyond simple updates to enhance product stability, reliability, and reduce total cost of ownership (TCO).

Reliable Durability in Any Environment

The SL25 is equipped with an aluminum LCD panel that ensures outstanding durability and stable performance even against external impacts and in demanding environments. In addition, the battery hard pack features a rugged housing and built-in safety circuitry, providing a reliable power supply even in harsh conditions. Based on these strengths, the SL25 has obtained MIL-STD-810H certification, helping users reduce their Total Cost of Ownership (TCO).

Smart Location Management with BLE Beaconing

M3 Mobile's latest device, the SL25, is equipped with Bluetooth Low Energy (BLE) beaconing technology to enable real-time asset tracking and efficient operations. Without the need for device pairing, it ensures stable location tracking across large workspaces and continues to transmit BLE signals even when powered off—supporting accurate indoor positioning with minimal battery consumption. This technology is highly effective for asset identification and location-based automation across industries such as logistics, retail, and transportation.

Reliable All-Day Power with Hot-Swap Battery Support

Equipped with a 3.85V, 5000mAh battery, it provides stable performance throughout the day. Hot-Swap support allows battery replacement without shutting down the device, minimizing downtime and ensuring continuous productivity in the field.

Real-Time Device Management with the Device Locator App

Built on BLE beaconing, the SL25 comes pre-installed with the Device Locator App, ready to use with no additional setup. The app utilizes BLE signals to provide precise real-time location tracking—even when the device is turned off—and features a remote sound alert function to help quickly locate misplaced devices. It is especially effective in environments requiring simultaneous management of multiple devices, significantly improving productivity and operational safety.

M3 MOBILE

Specification

	SL25 X	SL25 W
Physical Characteristics		
Dimensions	79.8 X 170.25 X 14.5mm	
Weight	315g (with standard battery)	
Display	6 inch, HD+ (1440 x 720)	
Touchpanel	supports dual input mode with finger, gloved finger, Corning Gorilla Glass 3	
Backlight	LED backlight display / 450cd/m2	
Expansion Slot	User accessible MicroSD with 512GB SDXC	
SIM Slots (X model only)	Dual SIM : 1 Nano SIM and 1 eSIM	-
Network Connections	USB 2.0 High Speed OTG (host/client); Type C connector, WLAN, Bluetooth and WWAN	
Notification	Audible tone, multi-color LEDs, vibration	
Keypad	On-screen keypad	
Buttons	3 programmable side scan keys, Power button	
Voice and Audio	Internal speaker, Two microphone with noise cancellation; vibrate alert and Bluetooth wireless headset support; High quality speaker phone; 1 Watt Built-in speaker and microphone	
Performance Characteristics		
CPU	2.2 GHz Octa-core processor (MT 8781)	
Operating System	Android 13(Up to Android 16) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases committed support for Android 14, 15, 16 and 18, pending feasibility.	
Memory	6GB/128GB Flash	
Power	All models come standard with a rechargeable Li-Ion 3.8V, 5,000mAh hard pack smart battery and support hot-swap functionality that temporarily maintains WWAN/WLAN/Bluetooth sessions.	
User Environment		
Operating Temp.	- 20° C to 55° C / -4° F to 131° F	
Storage Temp.	- 40°C to 80°C / - 40°F to 176°F	
Humidity	5% to 95% non-condensing	
Drop Specifications	1.5m, 1.8m (with Boots) drops to concrete across the operating temperature range per MIL-STD-810H	
Tumble Specification	2,000 times1.6ft. /0.5 m tumbles; without boots 1,000 times 3.2ft. /1 m tumbles; with boots	
Sealing	IP65, IP67 (optional)	
Vibration	Sine: 4g's peak, 5hz to 2khz, Random: .04g²/hz, 20hz to 2khz 60 minute duration per axis, 3 axis	
Thermal Shock	-40° C to 80° C / -40° F to 176° F	
Electrostatic Discharge (ESD)	+/- 15kv air, +/-8kv contact discharge +/-8kv indirect contact discharge	
Interactive Sensor Technology (IST)		
Light Sensor	Automatically adjusts the brightness of the display	
Magnetometer sensor	eCompass automatically detects direction and orientation	
Motion Sensors	Gyro Sensor, Accelerometers: for X,Y, and Z movement, and gyroscopes for measuring the extent and rate of rotation in space	
Proximity Sensor	Detect the presence of nearby objects without any physical contact, during a telephone call, proximity sensors play a role in detecting accidental touchscreen taps	
Data Capture		
Scanning	CM60, SE4710(Optional)	
Rear Camera	Rear camera 13 MP; front camera 5 MP	
NFC	NFC 13.56 MHz ISO 14443 A/B, ISO 15693, Mifare	

Specification

	SL25 X	SL25 W
Wireless WAN Data AND VOICE COMMUNICATIONS		
Radio Frequency Band	2G: GSM900/DCS1800 3G: B1/2/5/8 4G: B1/2(25)/3/4(66)/5/(26)/7/8/12(17)/20/28(A/B)/34/39/40	-
GNSS	Autonomous, Concurrent GPS; GLONASS; Gallileo; Beidou, (X-Model Only)	-
Wireless LAN		
Radio	IEEE 802.11 a/b/g/n/ac/ax, 2.4G&5G&6G	
Operating Channels (depending on Regulatory)	Channel 1-11 (2412-2462) Channel 36-48(5180-5240) and 149-165(5745-5825)	
Security and Encryption	WEP (40 or 104 bit) ; WPA/WPA2 Personal(TKIP, and AES); WPA/WPA2Enterprise (TKIP, and AES) - EAPTTLS (PAP,MSCHAP, MSCHAPv2), EAP-TLS, PE APv0- MSCHAPv2, PE APv1-EAP-GTC, EAP Fast and LEAP	
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC	
Wireless PAN		
Bluetooth	Bluetooth V5.3 Class2 BLE for Beaconing	
Regulatory		
EMI/EMC	EN 301 489-1; EN 301 489-3; EN 55032; EN 55035 Class A	
Electrical Safety	EN 62368-1	
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311	
Cyber Security	EN18031-1, EN18031-2	
Environmental Compliance	Directive 2011/65/EU, Directive(EU)2015/863	
Warranty	Subject to the terms of M3 Mobile's hardware warranty statement, the SL25 series are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement.	
Recommended Services	M3 MOBILE speed care Essential and Select: Maximize M3 Mobile device availability, device value and operational efficiency with these fully-featured support services that set the industry bar for support.	
M3 Speedpack	M3 Speedpack solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these M3 Mobile-only feature.	
Application user manual	http://www.m3mobile.net/products/mobile-computer?tpf=product/view&category_code=10&code=201	
Startup PC User Manual	http://www.m3mobile.net/en/products/solution-support/m3-speedpack	
Startup PC for SOTI	http://www.m3mobile.net/en/products/solution-support/m3-speedpack	
M3 Speedpack is available on Android only. Features may vary by model and a Support Contract may be required.		
Service Center	Unit 1107~1109, Acetechnotower 10th round, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea, 08502 E-mail : cs@m3mobile.co.kr Tel +82-2-574-0037 / Fax +82-2-566-0155	
Web site	http://itc.m3mobile.net	
E-mail	it@m3mobile.co.kr	
Customer Service Team	cs@m3mobile.co.kr	

This spec sheet is subject to change, so please contact the person in charge for more accurate information.

Head Office
Tel: +82 2 574 0037 / Fax: +82 2 558 1253
sales@m3mobile.co.kr

German Office	**France Office**	**UK Office**	**Spain Office**	**Turkey Office**
Tel: +49 61929222148	Mobile: +33-(0)659386827	Tel: +49 61929222148	Mobile +49 61929222148	Tel: +90 532 799 7537
sales_eu@m3mobile.net	sales_eu@m3mobile.net	sales_eu@m3mobile.net	sales_eu@m3mobile.net	sales@m3mobile.co.kr