M3 MOBILE

_NETSelekt.pl

SM25 X | W

An industrial full-touch device that reduces TCO from initial investment to ongoing maintenance.



Product Spec

- Qualcomm Dragonwing™ QCM4490 high-performance 2.4 GHz Octa-core
- Android 16 (support up to 18)
- 5G / Wi-Fi 6E (802.11ax)
- Bluetooth 5.3 BLE and Beaconing
- 6 Inch FHD+ Display
- RAM 8GB / ROM 128GB
- IP67 / MIL-STD-810H

The SM25 delivers fast and stable performance with its 2.4GHz octa-core processor and Android 16–18 support, while 5G, Wi-Fi 6E, and 2×2 MU-MIMO ensure reliable connectivity in large warehouse and retail environments. The CM60E and SE5500 scan engines provide accurate barcode capture at various distances, and the 6-inch FHD+ Gorilla Glass 5 display offers excellent usability outdoors and when wearing gloves. Built to withstand 1.8m drops, 1,000 tumbles, and IP67 conditions, the SM25 operates reliably in harsh environments, and its 4000/6000mAh battery options and USB-C/POGO expandability support long shifts and a wide range of accessories.

Latest Performance and Long-Term OS Support

With Android 16 pre-installed and upgrade support through Android 18, the SM25 delivers high-speed processing powered by the 2.4GHz octa-core QCM4490 platform, enabling smooth operation of large data workloads and complex applications in warehouse, distribution, and service environments.

Advanced Next-Generation Wireless Connectivity

Its wide range of 5G, 4G, 3G, and 2G bands, combined with Wi-Fi 6E (802.11ax), 2×2 MU-MIMO, and DBS technology, ensures stable and uninterrupted connectivity, allowing real-time inventory checks, order processing, and mobile POS operations even in large logistics centers and retail spaces.

M3 MOBILE

SM25 X | W



Front-Side NFC for Global Standards

The front-side (LCD-side) NFC supports ISO 14443 A/B, FeliCa, ISO 15693, and 13.56 MHz, ensuring broad compatibility with global NFC standards and enabling stable, efficient contactless workflows.

High-Resolution Display Optimized for Outdoor Use

The 6-inch FHD+ display with Gorilla Glass 5 provides excellent clarity even outdoors, while glove-touch support ensures smooth operation in industrial settings such as outdoor deliveries or cold storage facilities where gloves are required.

Rugged Durability Designed for Industrial Worksites

Passing 1.8m drop tests (with boots), 1,000 tumble cycles, and featuring IP67-rated protection, the SM25 withstands dust, moisture, impact, and extreme temperatures from -20°C to 50°C—ensuring reliable operation without downtime in harsh industrial environments.

Powerful Scanning & Flexible Battery Options

The SM25 delivers fast and accurate scanning with CM60E and SE5500 Smart Focus options across near, mid, and long ranges ideal for high racks, moving packages, and narrow aisles. With 4,000mAh and 6,000mAh battery choices plus USB-C and POGO connectivity, it supports long shifts and broad accessory compatibility for efficient logistics and retail operations.

Specification

	SM25 X	SM25 W
Physical Characteristics		
Dimensions	77 x 167 x 12.9 mm	
Weight	270 g	
Display	6 inch FHD+ (1080 x 2160)	
Touchpanel	Corning® Gorilla® 5 Glass touch panel. supports dual input mode with finger, gloved finger	
Backlight	LED backlight display	
Expansion Slot	User accessible MicroSD card supports up to 2 TB	
SIM Slots (X model only)	Dual SIM : 1 Nano SIM and 1 eSIM	-
Interface	USB-C, POGO	
Notification	Audible tone, multi-color LEDs, vibration	
Keypad	5 PROGRAMABLE SIDE SCAN KEYS + PW BUTTON	
Voice	Internal speaker, Two microphone with noise cancellation; vibrate alert and Bluetooth wireless headset support; High quality speaker phone;	
Audio	Built-in speaker and microphone	
Performance Characteristics		
CPU	2.4 GHz Octa-core processor Qualcomm Dragonwing™ QCM4490	
Operating System	Android 16(Up to Android 18) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases committed support for Android 17 and 18, pending feasibility.	
Memory	8/128GB	
Power	All models come standard with a rechargeable Li-Ion 3.85V, 4,000mAh hard pack smart battery and support hot-swap functionality that temporarily maintains WWAN/WLAN/Bluetooth sessions. A 6,000mAh extended battery (optional) is also available.	
Data Capture		
Scanning	2D Imager (CM60E), Smart Focus (SE5500)	
Rear Camera	Front CAM : 8M pixels, Rear CAM : 16 M pixels auto-focus (PDAF)	
NFC	ISO 14443 Type A and B; FeliCa and ISO 15693	
Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)		
Radio Frequency Band	2G: 850/900/1800/1900 3G: 1/2/3/4/5/8 4G: B1/2/3/4/5/7/8/20/28/38/39/40/41 5G:n1/2/3/5/7/8/20/28/38/40/41/77/78	-
GPS	GPS, GLONASS, Galileo, Beidou, QZSS Dual-Band	-
Wireless LAN		
Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/ax; 2x2 MU-MIMO; Wi-Fi 6E (801.11ax); DBS	
Operating Channels (depending on Regulatory)	Channel 1-13 (2412-2472 MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13 Channel 36-165 (5180-5825 MHz): 36,40,44,48,52 56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165 Channel Bandwidth: 20, 40, 80 MHz Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certifi cation agency.	
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA3 Enterprise 192-bit Mode (GCMP256) — EAP-TLS; Enhanced Open (OWE)	
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC	
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311	

Specification

	SM25 X	SM25 W
Wireless PAN		
Bluetooth	Bluetooth 5.3 BLE and beaconing	
Regulatory		
EMI/EMC	EN 301 489-1; EN 301 489-3; EN 55024; EN 55032 Class A	
Electrical Safety	IEC 62368-1, EN 62368-1	
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311	
Cyber Security	EN18031-1, EN18031-2	
User Environment		
Operating Temp.	- 20° C to 50° C / -4° F to 122° F	
Storage Temp.	- 30°C to 70°C / - 22°F to 158°F	
Humidity	5% to 95% RH (Non-condensing)	
Drop Specifications	1.5m, 1.8m (with Boot) drops to concrete across the operating temperature range per MIL-STD-810H	
Tumble Specification	1,000 times 1.6ft. /0.5 m tumbles; without boot 1,000 times 3.2ft. /1 m tumbles; with boot	
Sealing	IP67	
Vibration	4 g's PK Sine (5 Hz to 2 kHz); 0.04g2/Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis	
Thermal Shock	-40° C to 80° C rapid transition	
Electrostatic Discharge (ESD)	+/- 15kv air, +/-8kv 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	
Environmental Compliance	Directive 2011/65/EU, Directive(EU)2015/863	
Warranty	Subject to the terms of M3 Mobile's hardware warranty statement, the SM30 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.	
Footnotes	Feature available Q4 2025	
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 / Startup PC for SOTI / Startup PC User Manual 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.		

M3 MOBILE

CS Center Contact Information

Service Center

M3 Mobile - Korea
Unit 1107~1109, Acetechnotower 10th round, 196, Gasan digital 1-ro,
Geumcheon-gu, Seoul, Korea, 08502
Tel: +82 2 574 0037, Fax: +82 2 556 0155,
cs@m3mobile.co.kr

M3 Mobile - Germany
M3 Mobile GmbH, Am Holzweg 26, 65830 Kriftel,
Germany Tel: +49 6192 9222150
cs_gmbh@m3mobile.co.kr

PRESTINFO MAINTENANCE - France
18, avenue de la ZAC de CHASSAGNES, TERNAY,
Lyon city 69360, France
Tel: +33-(09)72189164
repaircenter.m3@prestinfo-maintenance.com

Web site http://itc.m3mobile.co.kr
E-mail it@m3mobile.co.kr
Customer Service Team cs@m3mobile.co.kr

Eutronix - Netherland
Bredasebaan 14, 4744 RZ Bosschenhoofd, Netherlands
Tel: +31 76 52 45 330
Email: info@eutronix.eu

SERDACAP - Spain
Calle Isabel Colbrand 10, oficina 164, 5ª planta
(puerta de acceso calle 1)
Lyon city, 28050 Madrid
Tel: +34 91 358 81 35
Email: s.delgado@serdacap.com

BIAS Technology Support LTD - UK
7 Blackhill Road West, Holton Heath Trading Park, Poole,
Dorset BH16 6LE, UK
Tel: +44-(0)-1202-620955
Email: gavind@biastechnology.com
Attn: Gavin Dalrymple

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

German Office
Tel: +49 61929222148
sales_eu@m3mobile.net

France Office
Mobile: +33-(0)659386827
sales_eu@m3mobile.net

UK Office
Tel: +49 61929222148
sales_eu@m3mobile.net

Spain Office
Mobile +49 61929222148
sales_eu@m3mobile.net

Turkey Office
Tel: +90 532 799 7537
sales@m3mobile.co.kr

Copyright © 2025 M3 Mobile Co., Ltd. All rights reserved. M3 Mobile Co., Ltd. is the designer and manufacturer of M3 Mobile handheld mobiles.
Features and specifi cations are subject to change without prior notice. All other trademarks are the property of their respective owners.
Revision NO. SS-SM25 01/12/2025