M3 SL20 X/W

A slim, beautiful, and durable mobile computer

- Android 11 GMS / AER
- 2.3GHz Octa core CPU
- 2D Imager
- 5.5-inch Display
- Replaceable Battery
- 5,000mAh Battery
- Fast charging / Battery Hotswap
- IP67

From retail to various business sectors, the M3 MOBILE SL20 is designed to be versatile. If you desire a better environment than what you have now, choose the SL20. Despite its slim body, the large 5.5-inch display allows users to comfortably execute tasks. The SL20's display supports glove touch and can be used even with wet hands. Additionally, with a 5,000mAh battery, users can use the SL20 throughout the day.

The SL20 operates on Android 11 and supports future Android versions. With 4GB RAM and 64GB ROM, it enables faster and more efficient use. Utilizing the M3 SPEEDPACK (M3 application package) further enhances efficiency. The SL20, with its ergonomic design for one-handed use and lightweight is waiting for you.

2.3 GHz Octa-core processor and Android 11 platform & update support

Featuring a 2.3 GHz octa-core processor and support for the Android 11 platform, the device consistently provides security updates to ensure the device's safety. Additionally, it supports future Android versions, offering users ongoing stability and security for their convenience.

Lightweight and ergonomic design

The SL20 features a lightweight design, weighing only 250g, and offers the convenience of fitting easily into a pocket. With its ergonomic design that comfortably fits in one hand, coupled with a large 5.5-inch display, it provides users with enhanced convenience.

High Capacity battery & Hot-swap

The SL20 provides a high-capacity 5,000mAh battery, allowing for a full day of work without the need for recharging. Additionally, the SL20 supports hot-swap functionality, enabling users to replace the battery without turning off the device or closing running apps.

Best application solution, M3 SPEEDPACK

M3 SPEEDPACK, an application solution developed by M3 MOBILE. With this, you can fully manage your device. If you using the StartUp tool in M3 SPEEDPACK then the user can scan a few barcodes through your PC and device then thousands of devices can be customized and set up at once. Moreover, productivity and efficiency can be increased through various application tools.

Specification

Physical Characteristics

Dimensions	6.17 x 2.86 x 0.69 inch 156.8 x 72.7 x 17.55 mm
Weight	8.81oz / 250g (Inclusive battery)
Display	5.5 in. color HD (1440 x 720); Corning® Gorilla® Glass
Touchpanel	supports dual input mode with finger, gloved finger
Backlight	LED backlight display
Expansion Slot	User accessible MicroSD with 512GB SDXC
SIM Slots (X model Only)	Dual SIM; 1 nano SIM, 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	Buttons : 5 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	2.3 GHz Octa-core processor
Operating System	Android 11 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.
Memory	4 GB/64 GB Flash
Power	All models ship with rechargeable Li-Ion Polymer, 3.8V, 5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,

User Environment

Operating Temp.	-4° F to 131° F/-20° C to 55° C
Storage Temp.	-22°F to 176°F/-30°C to 80°C
Humidity	5% to 95% non-condensing
Drop Specifications	Multiple 6 ft./1.5 m drops to concrete across the operating temperature range per MIL-STD-810G
Tumble Specification	1,000 3.3 ft. /0.5 m tumbles; meets and exceeds IEC tumble specification
Sealing	IP67
Vibration	Sine: 4g's peak, 5hz to 2khz, Random: .04g²/hz, 20hz to 2khz 60 minute duration per axis, 3 axis
Thermal Shock	-40° F to 176° F/-40° C to 80° C rapid transition
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	SE4710 imager (1D and 2D) with extraordinary range: Scan range - Code 39 barcode: 20 Mil: 2.0 in. to 30.0in./5.08cm to 76.2cm 4 Mil: 3.3 in. to 8.8 in./8.4cm to 22.4cm"
Camera	Rear camera 13 MP; front camera 5 MP
NFC	ISO 14443 A/B, ISO 15693, Mifare, P2P mode and Card Emulation via Host (HCE) support

Wireless WAN Data AND VOICE COMMUNICATIONS (X model Only)

Radio Frequency Band	Support VoLTE LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600 (1/2/3/4/5/7/8/19/20/28); LTE TDD: 1600/2300/2500 (38/40/41); UMTS/HSDPA/HSPA+: 850/900/1800/1900/2100(1/2/3/4/5/8); GSM/GPRS/EDGE: 850/900/1800/1900 (2/3/5/8);
GNSS	Autonomous, Concurrent GPS; GLONASS; Gallileo; Beidou, and A-GPS

Wireless LAN

Radio	IEEE 802.11 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v, IPv4, IPv6, 1X1 MU-MIMO
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 certification agency.
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA/WPA2 Enterprise (TKIP and AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC and LEAP.EAP-PWD
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC

Wireless PAN

Bluetooth	Bluetooth 5.0 BLE, Class 2

Regulatory

EMI/EMC	EN 301 489-1; EN 301 489-3; EN 55024; EN 55032 Class A
Electrical Safety	IEC 60950-1, EN 60950-1
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311

Environmental Compliance

Directive 2011/65/EU, Directive(EU)2015/863

Warranty

Subject to the terms of M3 MOBILE's hardware warranty statement, the SL20 series are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statemen

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.

Footnotes

Feature available Q4 2021

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
Chun-ui Techno Park 201-610, 202, Chunui-dong, Wonmi-gu, Bucheon, Gyeonggi-do, 420-857, Korea Tel: +82 32 623 0037 Fax: +82 70 4015 6323

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

Accessories
(Appearance can be changed.)

1-Slot Charging Cradle
SL20-1CRD-C00

2-Slot Charging & USB Cradle
SL20-2CRD-CC0

2-Slot Charging & Ethernet Cradle
SL20-2CRD-EC0

8-Slot Charging Cradle
SL20-8CRD-C00

8-Slot Charging & Ethernet Cradle
SL20-8CRD-E00

Trigger Handle
SL20-TRIG-S00

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