M3 SL20K X/W

Lightweight and rugged ergonomic design for a mobile computer.



2.0 GHz CPU and the Android 13

Capable of fast performance and robust security simultaneously, with a 2.0 GHz processor and support for the latest Android 13.

Ergonomic design and practical keypad

The user-friendly design includes a rear grip for comfortable support while using the keypad. With 8 programmable function and a star key that can be utilized in various environments, users can access desired and convenient functions. Additionally, custom settings for the side keys are also available.

Ultimate solution, M3 SPEEDPACK

Manage your devices effortlessly with M3 SPEEDPACK, M3's proprietary application solution. Easily configure thousands of devices at once with just a few barcode scans, and enhance productivity and efficiency with various application tools.

- Android 13 GMS/AER
- Octa core CPU
- 4GB RAM / 64GB ROM
- 30 Keys keypad
- 2D Imager
- 5,200mAh Large Battery
- 2 nano SIM

M3 Mobile's SL20K is the keypad version of the successful SL20, built on the proven success of its predecessor. This comprehensive terminal is designed to cater to a wide range of applications, from retail stores to small and large-scale warehouse operations. With its ergonomic design and 30 front keys, including 8 function and a star key for user convenience, the SL20K offers infinite customization possibilities to adapt to the user's specific environment. Additionally, users can benefit from convenient support from deployment to onsite operations through the SPEEDPACK application.

High-capacity battery & lightweight & Fast charging

SL20K is an innovative product that combines long battery life, excellent portability, and fast charging capabilities. Equipped with a high-capacity 5,200mAh battery, it allows for continuous use during work hours, and compared to similar products, it is approximately 50g lighter, enhancing its portability. Additionally, with its 20W fast charging feature, users can rest assured that they won't need to worry much about charging time.

Backlit keypad

The backlit keypad allows clear visibility of keys even in dark or dim working environments. The illumination enables precise keypad identification, reducing errors during tasks and facilitating rapid data input.

Support for Android security and updates

Continuously providing security updates from the operating system to ensure the device is securely protected, and offering future Android versions.



Specification

Physical Characteristics

Dimensions	162.3 x 17.2 x 66mm
Weight	266.5g
Display	4in. color WVGA (480 x 800)
Touchpanel	Corning [®] Gorilla [®] Glass supports dual input mode with finger, gloved finger
Backlight	LED backlight display - 450cd/m2
Expansion Slot	User accessible MicroSD up to 256GB SDXC
SIM Slots (X model only)	2 nano SIM
Network Connections	USB 2.0 High Speed OTG (host/client), WLAN, Bluetooth and WWAN(X model only)
Notification	Audible tone, multi-color LEDs, vibration
Keypad	30keys Keypad, On-screen keypad
Buttons	5 programmable side scan keys
Voice	Internal speaker, Two microphone with noise cancellation; vibrate alert and Bluetooth wireless headset support; High quality speaker phone
Audio	1 Watt Built-in speaker and microphone
Performance Cl	naracteristics
	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53
CPU Operating System	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz
CPU Operating	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS
CPU Operating System	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.
CPU Operating System Memory	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases. 4 GB/64 GB Flash 5200mAh Hot swap support with temporary Fast Charging PD (20W) Supports WWAN/WLAN/Bluetooth session persistence
CPU Operating System Memory Power	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases. 4 GB/64 GB Flash 5200mAh Hot swap support with temporary Fast Charging PD (20W) Supports WWAN/WLAN/Bluetooth session persistence
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CPU Operating System Memory Power User Environme Operating Temp. Storage Temp. Storage Temp. Humidity Drop	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases. 4 GB/64 GB Flash 5200mAh Hot swap support with temporary Fast Charging PD (20W) Supports WWAN/WLAN/Bluetooth session persistence ent -4° F to 131° F/-20° C to 50° -22°F to 176°F/-30°C to 80°C
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CPU Operating System Memory Power User Environme Operating Temp. Storage Temp. Storage Temp. Humidity Drop Specifications Tumble Specification	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases. 4 GB/64 GB Flash 5200mAh Hot swap support with temporary Fast Charging PD (20W) Supports WWAN/WLAN/Bluetooth session persistence ent -4° F to 131° F/-20° C to 50° -22°F to 176°F/-30°C to 80°C 5% to 95% (Non-condensing) Multiple 6 ft./1.5 m drops to concrete across the operating temperature range per MIL-STD-810G 1,000 3.3 ft. /0.5 m tumbles; meets and exceeds
CPU Operating System Memory Power User Environme Operating Temp. Storage Temp. Humidity Drop Specifications Tumble	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53 Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases. 4 GB/64 GB Flash 5200mAh Hot swap support with temporary Fast Charging PD (20W) Supports WWAN/WLAN/Bluetooth session persistence ent -4° F to 131° F/-20° C to 50° -22°F to 176°F/-30°C to 80°C 5% to 95% (Non-condensing) Multiple 6 ft./1.5 m drops to concrete across the operating temperature range per MIL-STD-810G 1,000 3.3 ft. /0.5 m tumbles; meets and exceeds IEC tumble specification
CPU Operating System Memory Power User Environme Operating Temp. Storage Temp. Humidity Drop Specifications Tumble Specification Sealing	Quad-core 2.0GHz Cortex-A53 + Quad-core 1.5GHz Cortex-A53Android 13 with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.4 GB/64 GB Flash5200mAh Hot swap support with temporary Fast Charging PD (20W) Supports WWAN/WLAN/Bluetooth session persistenceent-4° F to 131° F/-20° C to 50°-22°F to 176°F/-30°C to 80°C5% to 95% (Non-condensing)Multiple 6 ft./1.5 m drops to concrete across the operating temperature range per MIL-STD-810G1,000 3.3 ft. /0.5 m tumbles; meets and exceeds IEC tumble specificationIP65Sine: 4g's peak, 5hz to 2khz, Random: .04g²/hz, 20hz to 2khz

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 physica contact, during a telephone call, proximity sensors play a role in detecting accidental touchscreen taps
Data Capture	
Scanning	2D Imager
Camera	Rear camera 13 MP; front camera 5 MP
NFC	ISO 14443 A/B, ISO 15693, Mifare
Wireless WAN D	ata 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	GPS, A-GPS, GLONASS, GALLIEO, BEIDOU
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)	56,60,64,100,104,108,112,116,120,124,128,132,136,140,144 49,153,157,161,165 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, PEAPv 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 55032; EN 55035 Class A
Electrical Safety	EN 62368-1
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311
Environmental	Compliance
	5/EU, Directive(EU)2015/863

Subject to the terms of M3Mobile's hardware warranty statement, the SL20K 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

M3Mobile speed care Essential and Select: Maximize M3Mobile 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 M3Mobile-only feature."

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



(Appearance can be changed.)



1 Slot Charging cradle



2 Slot Charging & Ethernet cradle



Trigger Handle



8 Slot Charging & Ethernet cradle

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