M3 SL20

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Optimal touch computer built for both small business and big business



- Android 11 GMS/AER
- 2.3GHz Octa core CPU
- 2D Imager
- 5.45-inch Display
- Replaceable Battery
- Extended 5,000mAh Battery as an option
- Fast charging / Battery Hotswap

From Retail to all kinds of business, M3 MOBILE SL20 supports your bussiness. You can choose SL20 when you need to improve your business environment in an easy way. If you want to use small and high performance mobile computer, SL20 is what you really want to use. It is small but The large 5.45 inch screen allows users to enjoy comfortable use. Glove touch and wet touch also supported. Moreover 5,000mAh Battery is an option. User can use SL20 allday. Android 11 is supported and future android version also available. 4GB RAM, 64GB ROM help your workers act faster and more efficiently. The application solution, M3 SPEEDPACK (M3 application package) can be used to improve and manage device performance. With its ergonomic design and light weight, the SL20 is waiting for you.

Support 2.3 GHz Octa-core processor and Android 11 platform

With the 2.3 GHz Octa-core processor and support for the Android 11 platform, users can upgrade their productivity and efficiency.

Android security and update support

M3 MOBILE continues to provide security updates to help secure the device from the operating system, as well as future Android versions based on Google policy like GMS and AER. 5.45inch wide display, Ergonomic Design and Convenient usability. Easy to use with its lightweight, small size like smartphone, neat design and flexible curve aesthetics. In addition, the 5.45 inch display provides convenient usability.

High Capacity battery is possible

By providing a 5,000mAh high-capacity battery, you can work all day long. SL20 also supports hot-swap functionality, allowing you to exchange batteries with confidence without turning off the device or shutting down the running app. 3,000mAh battery is ready for user who need light equipment.

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 in. L x 2.86 in. W x 0.69 in. D 156.8 mm L x 72.7 mm W x 17.55 mm D
Weight	8.32oz / 236g (Standard battery) 8.81oz / 250g (Extended battery)
Display	5.45 in. color HD (1440 x 720); Corning® Gorilla® Glass
Touchpanel	supports dual input mode with finger, gloved finger and stylus (conductive stylus sold separately)
Backlight	LED backlight display
Expansion Slot	User accessible MicroSD with 512GB SDXC
SIM Slots	Dual SIM; 1 nano SIM, 1 nano SIM/SAM
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, 3.8V, 3000mAh Power Precision+ battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence, 5000mAh batteries(optional)
User Environment	
Operating Temp.	-4° F to 131° F/-20° C to 55° C
Storage Temp.	-40°F to 167°F/-40°C to 75°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	IP65
Vibration	Sine: 4g's peak, 5hz to 2khz, Random: .04g^2/hz, 20hz to 2khz 60 minute duration per axis, 3 axis
Thermal Shock	-22° F to 158° F/-30° C to 70° 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	
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);
GPS	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

1. Feature available Q4 2020
2. Upgrading to new supported version of Android requires the purchase of a M3 SPEED CARE service contract.

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/download/file/743
Startup PC User Manual	http://www.m3mobile.net/download/file/748
Startup PC for SOTI	http://www.m3mobile.net/download/file/746

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

Head Office
Tel: +82 2 574 0037
Fax: +82 2 558 1253
www.m3mobile.net,
sales@m3mobile.co.kr
sales_kr@m3mobile.co.kr

German Office
Tel +49 61929222148
sales_eu@m3mobile.net

France Office
Mobile +33-(0)686550492
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 +90 070-4801-0358
Mobile +90 533 049 41 30
sales@m3mobile.co.kr

Russia Office
Mobile +7 916 990 90 71
sales@m3mobile.co.kr

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