M3 Mobile US30

M3 Mobile US30: Maximum flexibility and reliability

✓ Lightweight yet robust for maximum efficiency

✓ Powerful hardware for fast multitasking

✓ Wide range of scanner options and keyboard configurations for different operating environments

✓ Fast and reliable connectivity with Wi-Fi 6 and Bluetooth 5.3

✓ Long battery life and hot-swap function for uninterrupted work processes

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Features

Lesbare Codes: 1D, 2D

Display: 4.0" WVGA IPS, 480 x 800 pixels, Gorilla Glass

Operating system: Android 13 (upgradeable to Android 15)

Processor: 2.4 GHz Octa-Core

Memory: 4 GB RAM / 64 GB memory, expandable via MicroSD up to 1 TB

Feedback: Beep, multicoloured LED, vibration

Keyboard: Numeric (30 keys), function+numeric (38, 42), alpha-numeric (51)

Connectivity: Wi-Fi 6, Bluetooth 5.3, NFC, USB 2.0

Additional features: 16 MP rear camera, various sensors

Battery: 6,700mAh Li-Ion, quick-charge function, hot-swap support

Protection: IP65, up to 1.8 m drop resistance, MIL-STD-810G

Operating temperature: -20°C to 60°C

Dimensions (W x L x H): 74 x 197 x 35 mm

Weight: 416 g (with 2D scanner), 450 g (with long-range scanner)

Optional accessories

Dockingstation

5 slot dockingstation

4-way and 20-way battery charging station

Trigger handle

Forklift / Vehicle Cradle

Soft-/Hard-Holster

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Specification

Physical Characteristics

Dimensions	74 * 197.2 * 35.3mm / 2.91 * 7.76 * 1.38inch
Weight	450g / 15.8oz (LR Scanner with battery) 416g / 14.6oz (2D Scanner with battery)
Display	4.0" WVGA IPS, 480 x 800 pixels, Color Display
Touchpanel	Corning Gorilla Glass supports dual input mode with finger, gloved finger and stylus (conductive stylus sold separately)
Backlight	LED backlight display
Expansion Slot	User accessible MicroSD with 32GB SDHC and up to 1 TB SDXC
Network Connections	USB 2.0 High Speed OTG (host/client), WLAN, Bluetooth
Notification	Audible tone, multi-color LEDs, vibration
Keypad	Numeric (30 key), Function Numeric (38, 42 key), Alpha Numeric (51 key)
Buttons	Buttons: Two programmable side scan keys
Voice	Internal speaker, 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
Operating System	Android 13 to 15 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, 3.6V, 6700mAh battery; full charge under five (5) hours; hot swap support with temporary WLAN/Bluetooth session persistence

User Environment

Operating Temp.	-4°F to 140°F/-20°C to 60°C
Storage Temp.	-22°F to 176°F/-30°C to 80°C
Humidity	5% to 95% RH (Non-condensing)
Drop Specifications	Multiple 6 ft./1.8 m drops to concrete across the operating temperature range per MIL-STD-810G
Tumble Specification	3,000 3.3 ft. /1.0 m tumbles; meets and exceeds IEC tumble specification
Sealing	IP65
Vibration	Sine: 4g's peak, 5hz to 2khz, Random: .04g²/hz, 20hz to 2khz
Thermal Shock	-40°F to 158°F/-40°C to 70°C
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	2D: 0° Scan(Straight Shooter) SE4710, SE4770 2D: 45° Scan SE4710, SE4770 LR: 0° Scan(Straight Shooter) SE5850 Smart Focus : 0° Scan(Straight Shooter) SE5500
Rear Camera	16 M pixels auto-focus (AF), PDAF
NFC	ISO 14443 A/B, ISO 15693, Mifare, P2P mode and Card Emulation via Host (HCE) support

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/w/ax, IPv4, IPv6, 2X2 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 56,60,64,100,104,108,112,116,120,124,128,132,136,1 40,144,149,153,157,161,165 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); 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

Wireless PAN

Bluetooth	Class 2, Bluetooth v5.3 with BR/EDR and Bluetooth Low Energy (BLE) Support

Regulatory

EMI/EMC	EN 301 489-1; EN 301 489-3; EN 55032; EN 55035 Class A
Electrical Safety	IEC 62368-1, EN 62368-1
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 US30 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.