

SPECIFICATIONS

Physical Characteristics

Dimensions
7.89 in. L x 2.76 in. W x 1.52 in. D 200.5 mm L x 70 mm W x 38.5 mm D
Weight
Standard battery: 10.4 oz./296 g Extended battery: 11.2 oz./316 g
Display
4 in. WVGA (800 x 480), LED backlight; color display; optically bonded to touch panel
Touch Panel
Capacitive touch panel; multi-touch; Corning® Gorilla® Glass
Power
Standard capacity 3500 mAh/12.60 Wh Extended capacity 4900 mAh/17.64 Wh
Imager Window
Corning® Gorilla® Glass
Expansion Slot
User accessible MicroSD slot up to 128 GB SDXC
SIM
One Nano SIM slot; optional eSIM (MC2700 only)
Notifications
Audible tone; multi-color LEDs; haptic feedback (China SKU only)
Keypad
34 key Numeric with FN keys; supports on-screen keypad
Voice and Audio
Internal speaker and microphone; Bluetooth wireless headset support; high quality speaker phone
Buttons
Physical scan, volume up/down; power
Network Connections
MC2200/MC2700: WLAN (WiFi), WPAN (Bluetooth), USB 2.0 High Speed (Host and Client) MC2700 only: WWAN (cellular)

Performance Characteristics

CPU
Qualcomm Snapdragon™ 660 octa-core, 1.8 GHz
Operating System

MC2200: Android 11; upgradeable to Android 14 MC2700: Android 11; upgradeable to Android 14
Memory
2 GB RAM/16 GB Flash memory 3 GB RAM/32 GB Flash memory
Security
Product is FIPS 140-2 validated. This security feature can be enabled on select configurations through a custom SKU request. Product supports Secure Boot, Verified Boot

User Environment

Operating Temp.
-4° F to 122° F/-20° C to 50° C
Storage Temp.
-40° F to 158° F/-40° C to 70° C
Humidity
5%-95% non condensing
Drop Spec.
Multiple 5 ft./1.52 m drop to concrete from 14° F to 122° F/-10° C to 50° C per MIL-STD 810G
Tumble Spec.
500 1.6 ft./0.5 m tumbles; meets and exceeds IEC tumble specifications
Sealing
IP65 per applicable IEC sealing specifications
Vibration
4g's PK Sine (5Hz to 2kHz); 0.04g 2/Hz Random (20 Hz to 2 kHz); 60 minutes duration per axis, 3 axis
Scanner Window
Corning® Gorilla® Glass
Electrostatic Discharge (ESD)
+/-15 kV air discharge, +/-8 kV direct/indirect discharge;

Interactive Sensor Technology (IST)

Motion Sensor
3-axis accelerometer with MEMS Gyro

Data Capture

Scanning
SE4100 1D/2D standard range imager
Camera
Optional rear camera 13 MP Phase Detection Auto Focus, with Flash LED

NFC

ISO14443 Type A and B: FeliCa and ISO 15693 cards. P2P mode and Card Emulation via Host (HCE) support

Wireless WAN, Data Communications Only**Radio Frequency Band****MC2700 North America**

- UMTS: B2/B4/B5
- LTE: B2/B4/B5/B7/B12/B13/B14/B17/B66
- LTE: Category 6

MC2700 Rest of World

- GSM: 850/900/1800/1900
- UMTS: B1/B2/B3/B4/B5/B8/B9/B19
- LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B19/B20/B28
- LTE-TDD: B38//B40/B41
- LTE: Category 6

MC2700 China

- GSM: 850/900/1800
- UMTS: B1/B5/B8
- LTE-FDD: B1/B3/B5/B7/B8
- LTE-TDD: B38/B39/B40/B41
- LTE: Category 6

VoIP Communications

Optional Workforce Connect Voice³ turns MC2200/MC2700 devices into fully-featured PBX handsets with a custom interface that makes it easy to execute even the most complex telephony features — eliminating the need to purchase and manage additional voice-enabled devices.

GPS

MC2700 only: Autonomous, Concurrent GPS; GLONASS; Galileo; BeiDou, and A-GPS. Supports IZAT (TM) XTRA

Wireless LAN**WLAN Radio**

IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v; Wi-Fi™ certified; IPv4, IPv6, 1x1 MU-MIMO

Data Rates

2.4 GHz: 802.11b/g/n — 20 MHz, 40 MHz — up to 150 Mbps
5 GHz: 802.11a/g/n/ac — 20 MHz, 40 MHz, 80 MHz — up to 433 Mbp

Operating Channels

Channel 1-13 (2412-2472 MHz): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Channel 36-165 (5180-5825MHz): 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); 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 (GCMP-256) EAP-TLS; Enhanced Open (OWE)
Certifications
WFA (802.11n, WPA2-Personal, WPA3-Personal, WPA2-Enterprise, WPA3-Enterprise)
Fast Roam
802.11r (Over-The-Air); PMKID caching; Cisco CCKM; OKC

Wireless PAN

Bluetooth
Class 2, Bluetooth V5.0 with BR/EDR and Bluetooth Low Energy (BLE) support