

Specifications

PERFORMANCE CHARACTERISTICS	
CPU	Qualcomm Snapdragon 660 octa-core, 2.2GHz Qualcomm Snapdragon 660 octa-core, 2.45 GHz
Operating System	Android 10; Upgradeable to Android 14
Memory	4GB RAM / 32GB UFS Flash 4GB RAM / 64 or 128GB Flash (Optional)
PHYSICAL CHARACTERISTICS	
Dimensions (L x W x D)	159.9 x 79 x 16.65 mm
Weight	284.5 g
Display	5.45" HD+ (1440 x 720), TFT-IPS
Imager Window	Corning® Gorilla® Glass
Touchpanel	Dual mode capacitive touch with stylus or bare or gloved fingertip input (conductive stylus sold separately); Fingerprint resistant antimudge coating water droplet rejection
Backlight	LED backlight
Power	Rechargeable Li- Polymer, BOS™ PowerManager for realtime battery management Standard capacity : 3.85V / 4350 mAh, 16.7 Watt hours Extended Battery : 3.85V / 6160 mAh, 23.7 Watt hours BOS™ PowerManager Station
Hot swap	Supported
Expansion Slot	User accessible MicroSD 32GB SDHC and up to 512GB SDXC
SIM / SAM	(WWAN SKU Only) Hybrid Dual SIM Slot (2 Nano SIM or 1 Nano SIM/1 MicroSD) - 1 Nano SIM is supported by micro SD Card Slot 2 SAM (Optional)
Interface	USB Type C Connector (USB 2.0) Docking Connector (Charging) Rear 10-pin Connector
Notification	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad and BOS™ Keyboard power button; Volume up/down buttons Home, Back, Menu Dual-action side scan triggers
Voice and Audio	Dual noise-cancelling microphones; Vibrate alert; High-quality speaker phone; 3.5mm headset jack PTT headset support; Bluetooth wireless headset support, SWB & FB audio
PTT Hot Key	Support - Available dual-action side scan triggers
Dimensions (L x W x D)	159.9 x 79 x 16.65 mm

WIRELESS WAN DATA AND VOICE COMMUNICATIONS	
Radio Frequency Band	(Optional) Worldwide - 4G : B1/B2/B3/B4/B5/B7/B8/B18/B19/B20/B26/B28 - 3G : B1/B2/B4/B5/B8/B9/B19 South Korea(SKT) - 4G : B1/B2/B3/B4/B5/B7/B8/B18/B19/B20/B26/B28 - 3G : B1/B2/B4/B5/B8/B9/B19 North America (AT&T, Verizon, T-Mobile) - 4G : B2/B4/B5/B12/B13/B14/B66/B71 - 3G : B2/B4/B5 China - 4G : B1/B3/B5/B8/B38/B39/B40/B41 - 3G : B1/B8 - 2G : B3/B8
GPS	(WWAN SKU only) Autonomous, Concurrent GPS; GLONASS; Galileo; BeiDou, and A-GPS

WIRELESS LAN	
Radio	WiFi: IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w; Wi-Fi™ certified; IPv4, IPv6, 2x2 MU-MIMO WWAN: IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w; Wi-Fi™ certified; IPv4, IPv6, 5GHz 2x2 MU-MIMO
Data Rates	5GHz: 802.11a/n/ac — up to 866.7 Mbps 2.4GHz: 802.11b/g/n — up to 300 Mbps
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 Data in Motion : FIPS 140-2 Level 1 Data at Rest : FIPS 140-2 Level 1

WIRELESS PAN	
Bluetooth	Bluetooth v5.0, BLE, Class 2
WIRED LAN	
Ethernet	Support (w/ Ethernet Cradle)

* Android version is subject to change depending upon Qualcomm's roadmap.
* Please be informed that Bluebird warranty program should be purchased to get Android upgrade service.

Specifications (Continued)

COMMUNICATION AND MESSAGING

VoIP / PTT

DATA CAPTURE

Scanning	1D/2D imager Scan range (Code 39 barcode) - 20 Mil : 2.0 inch to 30.0 inch (5.08 cm to 76.2 cm) - 4 Mil : 3.3 inch to 8.8 inch (8.4 cm to 22.4 cm) Digimarc support
Camera	Rear – 13 MP autofocus; f/2.0 aperture; flash LED, PDAF; supports Torch mode Front – 5 MP fixed f/2.0 aperture
NFC	ISO 14443 Type A and B; FeliCa and ISO 15693 cards; P2P mode and Card Emulation via Host. Card Emulation via Host and UICC

SENSOR

Light Sensor	Ambient Light Automatically adjusts display backlight brightness
Other Sensors	Proximity, eCompass, accelerometer, Gyroscope, Pressure

USER ENVIRONMENT

Operating Temp	-20°C to 50°C / -4°F to 122°F
Storage Temp	-40°C to +70°C / -40°F to +158°F
Humidity	95% non-condensing
Drop Spec	Multiple 5 ft./1.5 m drop to tile over concrete over -10°C to 50°C (14°F to 122°F)
Tumble Spec	1000 1.6 ft./0.5 m tumbles; meets or exceeds IEC tumble specification
Sealing	IP68 and IP65 per applicable IEC sealing specifications
Vibration	4 g's PK Sine (5 Hz to 2 kHz); 0.04g2/Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis
Thermal Shock	-40° C to 70° C / -40° F to 158° F rapid transition
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

SOFTWARE SOLUTIONS

BOS™	BOS™ - Provisioning; - Staging; - Kiosk; - Virtual Key; - BOS™ Keyboard; - VoIP ; PTT ; PTT Essential - EMM; - Wi-Fine (WIFI analyze application) - Secure ID (Secure management solution)
3 rd Party Solutions Integration	EMM : Airwatch, MobileIron, Mobicontrol, Mass360, XenMobile PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT

ACCESSORIES

Accessories	1 or 4 slot charging cradle (Includes a bay for Spare Battery Charging.) 1 or 4 slot ethernet cradle (Includes a bay for Spare Battery Charging.) 4-6 slot Battery Charger Handstrap & Stylus Holder / Stylus Soft Holder Protective Flim Trigger Handle UHF RFID Reader Sled (w/ RFR90x)
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* Specifications are subject to change upon manufacturer's condition.