

## KEY FEATURES

- 1408 channels, based on NebulasIVTM
- Horizontal: 8 mm + 1 ppm
- Qualcomm® Snapdragon SDM632, 8 x 1.8GHz
- Android 10 GMS
- 8" IPS HD 800\*1200 500 Nits
- Bluetooth® 4.2



### - RECEIVER

Satellite signals tracked	GPS: L1 C/A, L1C <sup>1</sup> , L2P (Y), L2C, L5 GLONASS: L1, L2 BDS: B1I, B2I, B3I, B1C, B2a, B2b <sup>1</sup> Galileo: E1, E5a, E5b QZSS: L1, L2, L5
Channels	1408 channels, based on NebulasIVTM
Data Update Rate	50 Hz <sup>6</sup> Positioning
Protocol	RTCM 3.X
Time Accuracy (RMS)	20 ns
Velocity Accuracy4(RMS)	0.03 m/s
Time to First Fix5(TTFF)	Cold Start < 30 S

### - Positioning

Positioning Accuracy	
Single Point Positioning <sup>2</sup> (RMS)	Horizontal: 1.5 m Vertical: 2.5 m
DGPS (RMS) <sup>2,3</sup>	Horizontal: 0.4 m Vertical: 0.8 m
RTK (RMS) <sup>2,3</sup>	Horizontal: 8 mm + 1 ppm Vertical: 15 mm + 1 ppm

### - System

Processor	Qualcomm® Snapdragon SDM632, 8 x 1.8GHz 4*A73 + 4*A53 1.8GHz
Operatoin System	Android 10 GMS
RAM	4GB
Flash Memory	64GB
External Storage	1 x Micro SD Support Max:128G

### - Display

Display	8" IPS HD 800*1200 500 Nits IPS Display Panel Coming® Gorilla® Glass 3 Capacitive, 10-Point Touchscreen, Glove/Wet Finger Supported
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### - Camera

Rear	13M Autofocus with Flash Light
Front	5M

### - Standard Accessories

Bag/Protected Case/Stand/Vehicle Mount/Vehicle Charge/Battery Charger/Hand strap/Stylus/Antenna

### - Optional Spec

Qualcomm® Snapdragon SM4350, 2\*Kryo 460 Gold(A76) 2.0GHz + 6\*Kryo 460 Silver(A55) 1.8GHz

Android 12 GMS Certificate

6GB DDR4 8GB DDR4 Optional

128GB eMMC

1920\*1200

5G NR: N1/N3/N28/N41/N78/N79

BT5.1

### - Internal Modem

Network	2G/3G/4G GSM: 850/900/1800/1900 EVDO: BC0 WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B17/B20/B28 2 * Nano SIM & Dual Standby
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### - Internal sensor

Accelerometer	Yes
Barometer	Yes
Gyro Sensor	Yes
Light Sensor	Yes
Fingerprint Sensor	Yes
Geomagnetic Sensor	Yes
Hall Sensor	Yes

### - Communication

I/O Connectonrs	USB Type-C Support OTG port Connector For Extenral Antenna
Bluetooth	Bluetooth® 4.2
Wi-Fi	Wi-Fi 802.11 a/b/g/n/ac, 2.4GHz/5GHz
NFC	NFC Built-in: Frequency 13.56Mhz 0-3

### - Power Supply

Battery	8000mAh Rechargeable and Replaceable Lithium-ion Battery
Working Time	Up to 15 hours
Approval	UN38.3 MSDS IEC 62133 3.8V - 8000mAh

### - Physical Specification

Dimensions	8" 235 x 145 x 15mm (9.3 x 5.7 x 0.6 inch)
Weight	750g(25.4oz)
Operation Temperature	Operation Temperature: -30°C~60°C(-22°F~140 °F)
Storage Temperature	Operation Temperature: -20°C~60°C(-4°F~140 °F)
Waterproof/Dustproof	IP67
Shock Resistance	1.2M (3.9 ft) Drop MIL-STD-810G

### -Warranty

FCC, CE, ISED, RCM, UKCA, KC, PTCRB, GCF  
1 Year Warranty