

# Broadband Push To Talk For Critical Communications

RugGear®

# Product Portfolio



POWER IDEA TECHNOLOGY(SHEN ZHEN) CO.,LTD

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## Product Portfolio



## Company Presentation

### Professional mobile devices for Mission Critical Communications

RugGear® is a leading international developer and manufacturer of rugged mobile phones, smartphones and tablets designed for professional use in extreme safety and working conditions, especially in the Mission Critical area. The mobile devices are developed and designed by specialists in Germany (Lauda-Koenigshofen), where RugGear GmbH is also based. RugGear's high-end devices support all types of mobile voice and data communication, LTE/private LTE, Google Chrome Enterprise, eMBMS (evolved Multimedia Broadcast Multicast Service) and especially the Mission Critical application Push-to-Talk-over-Cellular (POC or PTTtoC).

### MISSION

Our mission is to make professional communication more efficient, faster and safer.

### VISION

Our vision is to provide our customers with secure, reliable and long lasting team communication technology. We are passionate and committed to the future of mission-critical broadband communications.

### OUR UNIQUE OFFER

- Dedicated band for public safety and private networks
- Customisable devices/interfaces/keys (PTT, SOS)
- Professional accessories (lockable)
- Individual integration of various software solutions

# Company Facts



Founded in 2006



170+ patents



Headquarters Germany, Lauda-Koenigshofen



International network of partners and distributors



Designed in Germany



Cooperation with worldwide solution providers



Highest rugged certifications



Global benchmarking customers

# Certifications

## Professional mobile devices for Mission Critical Communications

ISO certifications ensure quality assurance, process improvement, compliance, market access, consistency, and customer confidence.

ISO 9001: 2015 Quality Management System Certificate

ISO14001: 2015 Environmental Management System Certificate

ISO 45001: 2018 Occupational Health and Safety Management System Certificate

ISO27001: 2022 Information Security Management System (ISMS) Certificate

IATF 16949: Design and Production Certification of Intelligent Navigation



ISO 9001



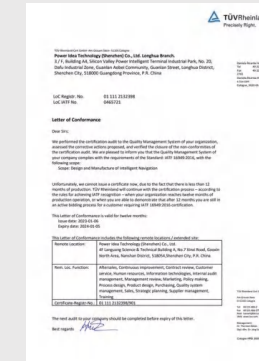
ISO 14001



ISO 45001




ISO 27001



IATF 16949


## About RugGear



 **Global Coverage**  
**110 +**

 **Technical Patents**  
**230 +**

 **Enterprise's Choice**  
**TOP 500**

 **Cooperation Partners**  
**50 +**

## Main Target Groups



Public safety



Rescue



Firefighting



Public transport



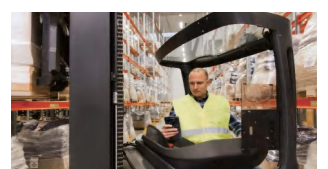
Logistics



Harbours



Facility management



Warehouse



Maintenance



Manufacturing



Food industry



Renewable energies



## RG170

### Perfect Enough For High-frequency Work

- IP69 waterproof and dustproof & MIL-STD 810G
- Small size and dedicated to one-hand holding
- 2800 mAh removable battery
- 103 dB loudspeaker
- A customizable key
- Supports SOS

|                   |  |
|-------------------|--|
| Frequencies       | GSM: B2/3/5/8<br>WCDMA: B1/5/8<br>TDD-LTE: B40<br>FDD-LTE: B1/3/5/7/8/28 |
| QCI               | 1-9  |
| Dimensions/Weight | 135.5 x 61 x 21.5 mm, 197 g  |
| Display           | 2.4 inches 240 x 320 pixels touch display                                |
| Operating System  | RG-OS 8 GO   |
| Processor         | MTK6739V/WA<br>4 x 1.28 GHz Cortex-A53                                   |
| Battery           | 2800 mAh removable battery   |

|                                      |   |
|--------------------------------------|---|
| Talk Time/ Standby Time(theoretical) | 4.6 H-13.6 H / 595 H  |
| Connectivity                         | Bluetooth® 4.2 LE, Wi-Fi 802.11 b/g/n<br>Supports Wi-Fi Hotspot for 2.4 GHz |
| Audio                                | φ36 mm 1.5 W 103 dB loudspeaker   |
| Camera                               | Rear 2MP FF   |
| Memory                               | 1 GB RAM + 8 GB ROM<br>(supports Micro-SD up to 128 GB)                     |
| Location                             | GPS, A-GPS, Glonass   |
| Sensor                               | Proximity Sensor, Light Sensor<br>G-sensor                                  |
| Certification                        | IP69, MIL-STD-810G, CE/ROHS, WEEE, CB<br>CITC, FCC                          |
| SIM Card Type                        | Single Micro-SIM  |



Belt Clip



Bluetooth RSM



3.5 mm PTT RSM



3.5 mm PTT Headset



## RG190

### Independent Hardware Noise Cancellation 4G Radio

- Independent hardware noise cancellation
- High-resilience keypad dedicated to critical mission
- Small-screen, simple functionality, easy to use
- Supports SOS
- 105 dB loudspeaker
- 3000 mAh long-lasting removable battery

|                   |   |
|-------------------|---|
| Frequencies       | GSM//GPRS/EDGE: B2/3/5/8<br>WCDMA/HSPA+: Band 1/2/4/5/8<br>TDD-LTE: B34/38/39/40/41 (full)<br>FDD-LTE: B1/2/3/4/5/7/8/20/28 |
| QCI               | 1-9   |
| Dimensions/Weight | 115(without knob and antenna)* 58*26 mm   |
| Display           | IPS, 1.73" 128 x 160 pixels display   |
| Operating System  | RG-OS 10 GO   |
| Processor         | MTK6739V/WA 4 x A53<br>1.28 GHz, 3GPP Rel.9   |
| Battery           | 3000 mAh removable battery  |

|               |  |
|---------------|--|
| Connectivity  | USB-C, 3.5 mm audio interface<br>Bluetooth 4.2 LE<br>802.11 a/b/g/n, 2.4 GHz & 5 GHz |
| Audio         | φ36 mm 2.5 W >105 dB loudspeaker   |
| Memory        | 1 GB RAM + 8 GB ROM<br>(supports MicroSD up to 128 GB)                               |
| Location      | GPS, A-GPS, Glonass  |
| Sensor        | Accelerometer  |
| Certification | IP54, MIL-STD-810H, CE/ROHS, WEEE,<br>CB, FCC/ISED, BQB, UN38.3                      |
| SIM Card Type | Dual Nano-SIM  |



Desktop Charger



Multi-unit Charger



Bluetooth RSM



3.5 mm PTT Headset



Belt Clip



## RG360

### Easy to Use, Ready for PTX

- Smaller in weight and size, one-handed operation
- A large PTT button for instant communication
- More than 60 meters for the Bluetooth reach distance
- 3000 mAh removable battery
- 2 W 105 dB front loudspeaker
- IP68 waterproof and dustproof & MIL-STD-810H
- Bluetooth® 4.2 LE
- Supports NFC

|                           |   |
|---------------------------|---|
| Frequencies               | GSM: B2/3/5/8<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: B38/40/41<br>FDD-LTE: B1/2/3/4/5/7/8/20/28 |
| QCI                       | 1-9   |
| Dimensions/Weight         | 118 x 58 x 25.8 mm, 197 g   |
| Display                   | 3.0 inches IPS, 480 x 854 pixels<br>Sunlight readable<br>Supports wet hands and gloves    |
| Operating System          | RG-OS 10 GO   |
| Processor                 | MTK6739, Quad-core, 1.28 GHz  |
| Battery                   | 3000 mAh removable  |
| Talk Time                 | 5.5 H-15 H / 600 H  |
| Standby Time(theoretical) |   |

|               |   |
|---------------|---|
| Connectivity  | Type-C (USB 2.0), 3.5mm PTT headset jack<br>Bluetooth® 4.2 LE, 802.11 a/b/g/n, 2.4 GHz & 5 GHz<br>NFC: Optional |
| Audio         | Φ36 mm 2 W 105 dB front loudspeaker   |
| Camera        | Rear 2 MP FF  |
| Memory        | 1 GB RAM + 8 GB ROM<br>(Supports Micro-SD/ Micro-SD up to 128 GB)   |
| Location      | GPS, A-GPS, Glonass   |
| Sensor        | Proximity Sensor, Light Sensor<br>Magnetic Sensor, G-sensor   |
| Certification | IP68, MIL-STD-810H, CE/ROHS, WEEE, CB<br>, CITC   |
| SIM Card Type | Dual Nano-SIM   |



Desktop Charger

Multi-unit Charger

Bluetooth RSM

3.5 mm PTT RSM

Car Charger

3.5 mm PTT Headset

Belt Clip

## RG440

### Compact and Portable 5G Radio

- 5G high-performance Qualcomm® chipset
- Supports MCPTT
- One-handed operation supports
- Talkgroup turn knob to switch between intercom groups
- Supports Wi-Fi 6
- 2 W 105 dB front loudspeaker with Independent hardware noise cancellation
- Unique 8-pin interface and accessories
- Supports Band 68 & CBRS Band
- GCF/PTCRB certification requested
- A large PTT button + SOS button
- Bluetooth® 5.2
- 2400 mAh/4800 mAh(optional) long-life removable battery

|                   |  |
|-------------------|--|
| Frequencies       | TDD-LTE: B38/39/40/41 (full)/42/43/48<br>FDD-LTE: B1/2/3/4/5/7/8/12 with MFB1/13/14<br>/17/20/25/26/28/29/30/66/68/71<br>5G:n1/n2/ n3/n5/n7/n8/n12/n14/n20/n25/<br>n28/n30/n38/n40/n41/n48/n66/n71/n77/<br>n78/n79<br>Supports eMBMS, CBRS |
| QCI               | 1-9, 65, 66, 67, 69, 70  |
| Dimensions/Weight | 139 x 70.7 x 34.1 mm, 302 g  |
| Display           | 2.4 inches IPS, 240 x 320 pixels display,<br>with Corning® Gorilla® 3 <sup>rd</sup> Glass<br>Supports wet hands and gloves   |
| Operating System  | RG-OS 14   |
| Processor         | Qualcomm® QCM6490, Octa-core,<br>2.7 GHz, 3GPP R15   |

|               |   |
|---------------|---|
| Battery       | 2400 mAh removable(4800 mAh optional)   |
| Connectivity  | Type-C (USB 3.1), 8-pin interface<br>Bluetooth® 5.2<br>802.11 a/b/g/n/ac/ax/e/k/r/v, Wi-Fi 5, Wi-Fi 6<br>Supports NFC |
| Audio         | Φ32 mm 2 W 105 dB loudspeaker   |
| Camera        | Front 8 MP AF camera  |
| Memory        | 4 GB RAM + 64 GB ROM  |
| Location      | GPS, A-GPS, GLONASS, A-GLONASS, Galileo,<br>Beidou  |
| Sensor        | G-sensor, Magnetic sensor, Gyroscope, Barometer   |
| Certification | IP68, MIL-STD-810H, GCF, PTCRB, CE/ROHS, WEEE,<br>FCC/IC, CB  |
| SIM Card Type | Nano SIM + eSIM   |



Desktop Charger

Multi-unit Charger

Bluetooth RSM

Belt Clip

8-pin PTT Headset



## RG530

### RugGear's First MCPTT Rugged LTE Smartphone



Ready for Mission Critical Push-to-talk

13-pin connector to guarantee stable and reliable connections

4.5 inches sunlight readable screen

Qualcomm® SDM660, Octa-core & 2.2 GHz

Android™ 13 OS

Bluetooth® 5.0

3600 mAh removable battery

103 dB powerful loudspeaker

Front 5 MP FF + Rear 13 MP PDAF camera

IP68 & MIL-STD-810G

|                           |   |
|---------------------------|---|
| Frequencies               | GSM: 850/900/1800/1900 MHz<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: 38/39/40/41<br>FDD-LTE: B1/2/3/4/5/7/8/12/13/14/<br>17/20/25/26/28/29/30/66<br>TD-SCDMA: B34/39 |
| Dimensions/Weight         | 150 x 76 x 23.5 mm, 315 g   |
| Display                   | 4.5 inches IPS, 480 x 854 pixels display<br>Sunlight readable<br>Supports wet hands and gloves  |
| Operating System          | Android™ 13   |
| Processor                 | Qualcomm® Snapdragon SDM660-0-AA<br>Octa-core & 2.2 GHz   |
| Battery                   | 3600 mAh removable  |
| Talk Time                 | 22H/333H  |
| Standby Time(theoretical) |   |

|               |   |
|---------------|---|
| Connectivity  | Type-C, 13-pin connector, magnetic connector<br>Bluetooth® 5.0, IEEE 802.11 a/b/g/n/ac/e/k/r/v<br>2.4 GHz & 5 GHz<br>Supports NFC |
| Audio         | φ 32 mm 103 dB loudspeaker  |
| Camera        | 5 MP front + 13 MP rear camera  |
| Memory        | 4 GB RAM + 64 GB ROM<br>(Supports Micro-SD up to 128 GB)  |
| Location      | GPS, A-GPS, Galileo, Beidou and Glonass   |
| Sensor        | G-sensor, Light sensor, Proximity sensor<br>Magnetic sensor, Gyroscope, Barometer   |
| Certification | IP68, MIL-STD-810G, GCF, CE/ROHS, FCC/IC, GMS, WEEE   |
| SIM Card Type | Dual Micro-SIM  |



Desktop Charger



Bluetooth RSM



13-pin PTT RSM



13-pin PTT Headset



Belt Clip



trigger handle



Thermal-camera

## RG540

### 5G MCX Device

Support both MC Push to Talk (MCPTT) and MC Push to Video

6 inches FHD sunlight readable screen, with Corning® Gorilla® 3<sup>rd</sup> Glass

Qualcomm® QCM6490, 5G Octa-core, 2.7 GHz, 3GPP R15

Supports CBRS & B68 bands and eMBMS

Android™ 12 operating system

Supports 5G and Wi-Fi 6

Front 5 MP FF + Rear 48 MP PDAF camera, supports flash

2W > 103 dB loudspeaker with Dual MIC noise cancellation

4400mAh removable battery

Unique 16-pin interface

Bluetooth® 5.2

GCF, PTCRB certification

Nano SIM + eSIM

IP68, MIL-STD-810H

|                   |  |
|-------------------|--|
| Frequencies       | GSM:850/900/1800/1900 MHz<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: B34/38/39/40/41(full)/42/43/48<br>FDD-LTE: B1/2/3/4/5/7/8/12 with MFBI<br>/17/20/25/26/28/29/30/66/68/71<br>5G NR - Sub6 GHz: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28<br>/n38/n30/n40/n41/n48/n66/n71/n77/n78/n79<br>CBRS Band, eMBMS support |
| QCI               | 1-9, 65, 66, 67, 69, 70  |
| Dimensions/Weight | 180 x 84.5 x 19.5 mm, 420 g  |
| Display           | 6.0 inches FHD, 1080 x 2160 pixels display,<br>with Corning® Gorilla® 3 <sup>rd</sup> Glass<br>Sunlight readable<br>Supports wet hands and gloves  |
| Operating System  | Android™ 12  |
| Processor         | Qualcomm® QCM6490, Octa-core, 2.7 GHz, 3GPP R15  |

Talk Time/ Standby Time 44 H(2G), 29 H(3G), 22 H(4G) /440 H (theoretical)

Battery 4400 mAh removable

Connectivity Type-C (USB 3.1)/ 16-pin interface  
Bluetooth® 5.2  
802.11 a/b/g/n/ac/ax/e/k/r/v, supports Wi-Fi 6, Wi-Fi 5  
seamless roaming  
Supports NFC

Audio φ 32 mm 2 W > 103 dB loudspeaker

Camera Front 5 MP FF + Rear 48 MP PDAF camera,  
supports rear camera flash

Memory 8 GB RAM + 128 GB ROM(supports MicroSD up to 512 GB)

Location GPS, A-GPS, GLONASS, A-GLONASS, Galileo, Beidou

Sensor G-sensor, light sensor, Proximity sensor, Magnetic sensor,  
Gyroscope, Barometer

Certification IP68, MIL-STD-810H, GCF, GMS, CE/ROHS, Unit CB, Battery CB  
SIM Card Type Nano SIM + eSIM



Desktop Charger



Bluetooth RSM



16-pin PTT RSM



16-pin PTT Headset



Belt Clip



Multi Charger



## RG725

### Dedicated Built For Professional Instant PTT



- A large PTT button for instant communication
- A turn-knob to fast-switch communication channels
- iF DESIGN AWARD 2019
- Powerful 5000 mAh removable battery
- 105 dB front speaker with dual-mic noise cancellation
- 4.0 inches sunlight readable screen
- Android™ 10 Operating System
- 2 MP front + 13 MP rear camera
- 13-pin headset jack with screw hole
- Supports SOS
- Bluetooth® 4.1 LE
- Supports NFC
- IP68 waterproof and dustproof & MIL-STD-810G

|                           |  |
|---------------------------|--|
| Frequencies               | GSM:850/900/1800/1900 MHz<br>WCDMA: B1/4/5/8<br>FDD-LTE: B1/3/4/5/7/8/20/28<br>TDD-LTE: B38/39/40/41<br>TD-SCDMA: B34/39 |
| Dimensions/Weight         | 136.5 x 66.5 x 24.5 mm, 284 g  |
| Display                   | 4.0 inches IPS, 640 x 1136 pixels display<br>Sunlight readable<br>Supports wet hands and gloves                          |
| Operating System          | Android™ 10  |
| Processor                 | MTK MT6739 Quad-core 1.5 GHz   |
| Battery                   | 5000 mAh removable   |
| Talk Time                 | 22 H / 400 H   |
| Standby Time(theoretical) |  |

|               |   |
|---------------|---|
| Connectivity  | Type-C, 13-pin interface, Bluetooth 4.1 LE<br>802.11 a/b/g/n/ (2.4 GHz/5 GHz)<br>Supports NFC |
| Audio         | 105 dB front loudspeaker  |
| Camera        | 2 MP FF front + 13 MP PDAF rear camera  |
| Memory        | 3 GB RAM + 32 GB ROM<br>(Supports Micro-SD up to 128 GB)                                      |
| Location      | GPS, A-GPS, Glonass   |
| Sensor        | Proximity Sensor, Light Sensor<br>Magnetic Sensor, G-sensor                                   |
| Certification | IP68 & MIL-STD-810G   |
| SIM Card Type | Dual nano-SIM   |



Desktop Charger Multi-unit Charger Bluetooth RSM 13-pin PTT RSM 13-pin PTT Headset Body Worn Camera Belt Clip Car Holder

## RG750

### Professional 4.0" MCX Device for First Response

- Specifically designed for Mission Critical PTT
- A large PTT button for instant communication
- A turn-knob to fast-switch communication channels
- Qualcomm® QCM4290 processor, Octa-core 2.0 GHz
- Covers mainstream LTE bands
- 5000 mAh removable battery
- 13-pin headset jack with screw hole
- 105 dB front loudspeaker
- Be able to access Wi-Fi® network zones faster and seamlessly
- 4.0 inches sunlight readable screen
- Android™ 12 (Big version upgrades)
- Supports SOS
- Bluetooth® 5.0
- Supports NFC
- Front 5 MP (FF) + Rear 13 MP (PDAF) camera
- IP68 waterproof and dustproof & MIL-STD-810H

|                           |  |
|---------------------------|--|
| Frequencies               | GSM: 850/900/1800/1900MHz<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: 34/38/39/40/41 (full)<br>FDD-LTE: B1/2/3/4/5/7/8/12/13/<br>17/20/26/28/66 |
| QCI                       | 1-9, 65, 66, 69, 70  |
| Dimensions/Weight         | 136.5 x 66.5 x 24.5 mm, 284 g  |
| Display                   | 4.0 inches IPS, 640 x 1136 pixels display<br>Supports wet hands and gloves   |
| Operating System          | Android™ 12  |
| Processor                 | Qualcomm® QCM4290, Octa-core 2.0 GHz   |
| Battery                   | 5000 mAh removable   |
| Talk Time                 | 19 H / 700 H   |
| Standby Time(theoretical) |  |

|               |  |
|---------------|--|
| Connectivity  | Type-C, 13-pin headphone jack (Audio connector)<br>Bluetooth® 5.0,<br>802.11 a/b/g/n/ac/e/k/r/v (2.4 GHz/5 GHz), Wi-Fi 5<br>Supports NFC |
| Audio         | 2 W 105 dB front loudspeaker   |
| Camera        | 5 MP front + 13 MP rear camera   |
| Memory        | 4 GB RAM + 64 GB ROM<br>(Supports Micro-SD card up to 256 GB)  |
| Location      | GPS, A-GPS, Galileo, Beidou and GLONASS  |
| Sensor        | G-sensor, Light sensor, Proximity Sensor<br>Magnetic sensor, Gyroscope   |
| Certification | IP68 & MIL-STD-810H  |
| SIM Card Type | Dual nano-SIM  |



Desktop Charger Multi-unit Charger Bluetooth RSM 13-pin PTT RSM 13-pin PTT Headset Body Worn Camera Belt Clip Car Holder



## RG760

### The World's First Masterpiece Of 4G Compatibility On Private/Public Networks

- Large 5600 mAh removable water-resistant battery
- Supports FDD-LTE Band 31 (private network), supports eMBMS
- The 2-in-1 knob for faster channel adjustment
- 4.0 inches screen with Corning® Gorilla® 3™ Glass, 5 point capacitive touch
- Qualcomm® Snapdragon® 625 (MSM8953) Octa-core processor
- Android™ 7.1.2 (Nougat)
- 5 MP front + 13 MP rear camera
- IP68 & drop resistance, MIL-STD-810G

|                   |   |
|-------------------|---|
| Frequencies       | GSM:850/900/1800/1900 MHz<br>WCDMA: B1/2/5/8<br>TDD-LTE: B38/39/40/41<br>FDD-LTE: B1/3/5/7/8/20/28/31<br>TD-SCDMA: B34/39 |
| Dimensions/Weight | 157 x 73 x 29 mm, 404 g   |
| Display           | 4.0 inches WVGA, 640 x 1136 pixels display, with Corning® Gorilla® 3™ Glass Supports wet hands and gloves                 |
| Operating System  | Android™ 7.1.2 (Nougat)   |
| Processor         | Qualcomm® Snapdragon® 625 (MSM8953) Octa-core, 2 GHz  |
| Battery           | 5600 mAh removable, supports QC 3.0   |

|               |   |
|---------------|---|
| Connectivity  | Type-C, 13-pin audio accessory port<br>Bluetooth® 4.1 LE<br>IEEE 802.11 b/g/n/r/ac with hotspot<br>Supports NFC |
| Audio         | 2 W, 36 mm loudspeaker, output up to 100 dB   |
| Camera        | Front 5 MP FF + Rear 13 MP AF camera, supports flash  |
| Memory        | 3 GB RAM + 32 GB ROM(Micro SD up to 128 GB)   |
| Location      | GPS, A-GPS, Beidou and Glonass  |
| Sensor        | G-sensor, Light sensor, Proximity Sensor<br>Magnetic sensor, Gyroscope  |
| Certification | IP68, MIL-STD-810G, CE/ROHS, FCC/IC, GCF, PTCRB, GMS  |
| SIM Card Type | Dual Micro-SIM  |



Desktop Charger



13-pin PTT Headset



Belt Clip



Bluetooth RSM

## RG880i

### Rugged LTE Device for Multi-task & Mission Critical

- Dedicated design for MCPTT
- Talkgroup Rocker Switch to support single call and group call
- 5.5 inches HD+ sunlight readable screen
- 4500 mAh removable battery
- High performance Qualcomm® Snapdragon® 680 (SM6225) Octa-Core 2.4 GHz processor
- Front 8 MP FF + Rear 50 MP PDAF camera, supports flash
- 1.8 W > 103 dB loudspeaker, Dual-Mic noise cancellation
- Fingerprint recognition
- 13-pin headset with screw whole
- Bluetooth® 5.1 Low Energy
- IP68, MIL-STD-810H
- GCF certification
- Supports eMBMS
- Supports eSIM(optional)
- Supports SOS

|                   |   |
|-------------------|---|
| Frequencies       | GSM:850/900/1800/1900 MHz<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: B34/38/39/40/41(full)<br>FDD-LTE: B1/2/3/4/5/7/8/12/13/14/17<br>/18/19/20/26/28/66 |
| QC1               | 1-9, 65, 66, 67, 69, 70   |
| Dimensions/Weight | 161 x 75 x 15.8mm, 267g   |
| Display           | 5.5 inches HD+, 720 x 1440 pixels display<br>Sunlight readable<br>Supports wet hands and gloves   |
| Operating System  | Android™ 14   |
| Processor         | Qualcomm® Snapdragon® 680 (SM6225)<br>Octa-core 2.4 GHz<br>Supports MCPTT, 3GPP Rel.12  |
| Battery           | 4500mAh removable, supports QC 3.0  |

|                           |  |
|---------------------------|--|
| Talk Time                 | 18 H / 720 H   |
| Standby Time(theoretical) |  |
| Connectivity              | Type-C, 13-pin interface<br>Bluetooth® 5.1 LE<br>802.11 a/b/g/n/ac/e/k/r/v/mc Wi-Fi Roaming, Wi-Fi 5<br>Supports NFC |
| Audio                     | 1.8 W > 103 dB loudspeaker   |
| Camera                    | Front 8 MP FF + Rear 50 MP PDAF camera, supports flash   |
| Memory                    | 6 GB RAM + 128 GB ROM(Supports micro-sd card, Micro SDXC up to 256 GB)   |
| Location                  | GPS, A-GPS, Galileo, Beidou and Glonass  |
| Sensor                    | G-sensor, Light sensor, Proximity Sensor, Magnetic sensor<br>Gyroscope, Barometer                                    |
| Certification             | IP68, MIL-STD-810H, GCF, CE/ROHS, FCC/IC, GMS, WEEE, CB  |
| SIM Card Type             | Dual Nano-SIM, eSIM (optional)   |



Desktop Charger



Bluetooth RSM



13-pin PTT RSM



13-pin PTT Headset



Car Holder



Belt Clip



Multi Charger





## RG380

### The Ultra-Enhanced 4G MCX Radio

- MCX
- 105 dB loudspeaker Independent Hardware Noise Cancellation
- RG-OS 16
- 5000 mAh, removable  
Can be used in 65°C environment  
Semi-solid state battery
- Qualcomm® Snapdragon 6 Series
- 6 GB + 128 GB  
8 GB + 64 GB
- Nano SIM + eSIM
- 13-pin interface

|                   |   |
|-------------------|---|
| Frequencies       | GSM/GPRS/EDGE: B2/3/5/8<br>WCDMA/HSPA+: 1/2/4/5/8<br>TDD-LTE: B34/B38/B39/B40/B41<br>FDD-LTE: B1/2/3/4/5/7/8/12/13/14/17/18<br>/19/20/25/26/28/29/30/66/71  |
| Dimensions/Weight | 138 x 60 x 32 mm, 350 g   |
| Display           | 2.4" IPS display, 320 x 240 pixels  |
| Operating System  | RG-OS 16  |
| Processor         | Qualcomm® Snapdragon 6 Series<br>Up to 2.0 GHz  |
| Battery           | 5000 mAh, removable<br>Can be used in 65°C environment<br>Semi-solid state battery  |
| Connectivity      | Type-C, Bluetooth® 5.1 LE,<br>USB 3.0, 13-pin interface<br>802.11 a/b/g/n/ac/e/k/r/v<br>Support 2.4 G & 5 GHz, Wi-Fi 5<br>Support max 8 connections hotspot |

|               |  |
|---------------|--|
| Audio         | 3 W 105 dB loudspeaker<br>Independent Hardware Noise Cancellation              |
| Camera        | Rear 13 MP PDAF, with rear camera flash  |
| Memory        | 6 GB RAM + 128 GB ROM<br>8 GB RAM + 64 GB ROM                                  |
| Location      | GPS, A-GPS, Glonass, Galileo, Beidou<br>L1/L5 dual-frequency                   |
| Sensor        | Accelerometer, Gyroscope,<br>Barometer, Magnetic, Light ,<br>Proximity sensors |
| Certification | IP68/MIL-STD-810H  |
| SIM Card Type | Nano-SIM + eSIM  |



## RG100

### Minimal 4G Wearable PTT Device

- A Large PTT Button  
Supports One-push-to-talk
- Accurate Positioning
- Supports Group Call  
/AI Interaction(Optional)
- Multiple Wearing Modes Supported

|              |   |                       |   |
|--------------|---|-----------------------|---|
| Frequencies  | TDD-LTE: B38/39/40/41<br>FDD-LTE: B1/2/3/4/5/7/8/20/28<br>WCDMA: B1/2/4/5/8 | Location              | Indoor: LBS/BT/WIFI/Fused Location<br>Outdoor: GPS/A-GPS/Galileo/GLONASS/Beidou |
| Processor    | ASR3603S<br>ARM Cortex-R5 with 614 MHz clock                                | Sensor                | G-sensor, Gyroscope   |
| Battery      | 800 mAh, 3.8 V, built-in  | Certification         | IP68 & MIL-STD-810H   |
| Connectivity | Bluetooth® 4.2<br>Wi-Fi 2.4 GHz , 802.11 b/g/n                              | SIM Card Type         | Nano-SIM  |
| Memory       | 16 MB RAM + 24 MB ROM   | Operation Temperature | -10 °C to 50 °C   |





## RG885

### 5G High-Performance 5.5" MCX Device

- 5G Octa-core Chipset, up to 2.0 GHz
- Supports MCX, 3GPP Release 16
- Front 8 MP + Rear 50 MP Cameras, Supports Night Vision
- Supports 5-pin Interface for Extended Various Functional Modules
- Optimized Dual-Mic Noise Cancellation for Push-to-Talk Scenarios
- Customized Feature: RFID/Thermal Camera/ 9000 mAh Battery

|             |   |
|-------------|---|
| Frequencies | GSM: 850/900/1800/1900 MHz<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: B34/38/39/40/41/42/43/48<br>FDD-LTE: B1/2/3/4/5/7/8/12/13/14/17/18/<br>19/20/25/26/28/29/30/53/66/68/71<br>5G NR FR1: n1/n2/n3/n5/n7/n8/n14/n20/n28/<br>n38/n40/n41/n48/n53/n66/n71/n77/n78/n79 |
|-------------|---|

|     |                    |
|-----|--------------------|
| QCI | 1-9,65/66/67/69/70 |
|-----|--------------------|

|                   |                    |
|-------------------|--------------------|
| Dimensions/Weight | 168 x 79 x 17.4 mm |
|-------------------|--------------------|

|         |                           |
|---------|---------------------------|
| Display | 720 x 1440 pixels display |
|---------|---------------------------|

|                  |             |
|------------------|-------------|
| Operating System | Android™ 16 |
|------------------|-------------|

|           |  |
|-----------|--|
| Processor | Qualcomm® 6-series,<br>Octa-core,<br>long-term IOT 5G chipset eMBMS built in |
|-----------|--|

|         |                            |
|---------|----------------------------|
| Battery | 4500 mAh removable battery |
|---------|----------------------------|

|              |  |
|--------------|--|
| Connectivity | TYPE-C(USB 3.1)<br>13-pin audio & OTG interface<br>2-pin for desktop charging<br>5-pin for accessories expansion<br>Bluetooth® 5.2<br>802.11 a/b/g/n/ac/ax/e/k/r/v<br>support Wi-Fi 5/Wi-Fi 6/6E |
|--------------|--|

|       |   |
|-------|---|
| Audio | >103 dB, High-quality speaker<br>Noise cancellation |
|-------|---|

|        |  |
|--------|--|
| Camera | Rear: 50 MP PDAF + 20 MP night vision camera<br>Front: 8 MP FF |
|--------|--|

|        |  |
|--------|--|
| Memory | 8 GB RAM + 128 GB ROM<br>(Supports micro-SD card up to 512 GB) |
|--------|--|

|          |  |
|----------|--|
| Location | A-GPS, GPS, GLONASS, A-GLONASS, Galileo,<br>Beidou, Dual Frequency (L1 + L5) |
|----------|--|

|        |   |
|--------|---|
| Sensor | Proximity Sensor, Light Sensor, Magnetic Sensor<br>G-sensor, Gyroscope, Barometer |
|--------|---|

|               |      |
|---------------|------|
| Certification | IP68 |
|---------------|------|

|               |                                   |
|---------------|-----------------------------------|
| SIM Card Type | Nano SIM*2 or Nano SIM*1 + eSIM*1 |
|---------------|-----------------------------------|



## RG865

### A Barcode Scanner with Integrated PTT Capability

- Barcode Scanning
- Supports Batch Barcode / QR Code Scanning
- Broadband Push-to-Talk
- LTE & Wi-Fi 6E for Seamless Data Transmission
- Under-screen Payment
- Supports RFID

|             |  |
|-------------|--|
| Frequencies | TDD-LTE(B34/38/39/40/41)<br>FDD-LTE(B1/2/3/4/5/7/8/12/13/17/18/19/<br>20/26/28)<br>WCDMA(B1/2/4/5/8)<br>GSM/EDGE/GPRS(850/900/1800/1900) |
|-------------|--|

|         |  |
|---------|--|
| Display | 6.0 inches 720 x 1440 pixels display,<br>Wet hands and gloves operation<br>Sunlight readable |
|---------|--|

|                  |             |
|------------------|-------------|
| Operating System | Android™ 16 |
|------------------|-------------|

|           |   |
|-----------|---|
| Processor | Qualcomm® 6-series<br>Octa-core CPU 2.4 GHz |
|-----------|---|

|         |   |
|---------|---|
| Battery | 4500 mAh removable battery<br>Supports hot-swap |
|---------|---|

|              |  |
|--------------|--|
| Connectivity | Type-C<br>2-pin for desktop charger<br>10-pin expansion for accessories<br>Bluetooth® 5.3<br>802.11a/b/g/n/ac/d/h/i/k/r/v/w/mc/ax<br>Supports Wi-Fi 5/6/6E |
|--------------|--|

|       |   |
|-------|---|
| Audio | Front speaker ≥ 100 dB at 10 cm distance<br>Dual-Mic Noise Cancellation |
|-------|---|

|        |                                    |
|--------|------------------------------------|
| Camera | Rear: 13 MP PDAF<br>Front: 8 MP FF |
|--------|------------------------------------|

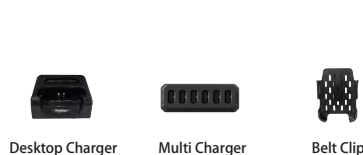
|        |                       |
|--------|-----------------------|
| Memory | 6 GB RAM + 128 GB ROM |
|--------|-----------------------|

|          |                                       |
|----------|---------------------------------------|
| Location | GPS (A-GPS), Glonass, Galileo, Beidou |
|----------|---------------------------------------|

|        |   |
|--------|---|
| Sensor | Light Sensor, Proximity Sensor,<br>G-sensor, Gyroscope, Compass |
|--------|---|

|               |      |
|---------------|------|
| Certification | IP68 |
|---------------|------|

|               |                 |
|---------------|-----------------|
| SIM Card Type | Nano SIM + eSIM |
|---------------|-----------------|



## RG935

### RugGear's First 10.1" Tablet With HotSwap Batteries

- 2 x 4000 mAh batteries that support HotSwap
- Built-in an ultra-rugged shell, 1.5 m drop resistance
- Supports broad Wi-Fi® range and dual SIM 4G LTE connectivity
- Supports industry logistics such as GPS Navigator, barcode reader and stock management tool
- 10.1 inches sunlight readable screen
- Qualcomm® Snapdragon® 665 Octa-core, 2.0 GHz processor
- ø32 mm & 2 W 103 dB loudspeaker
- 3 customizable hardware buttons
- Front 5 MP FF  
Rear 13 MP PDAF camera
- Supports NFC and OTG
- Android™ OS 11.0
- IP68 and MIL-STD-810H

|                           |   |
|---------------------------|---|
| Frequencies               | GSM:850/900/1800/1900 MHz<br>WCDMA: B1/2/4/5/8<br>TDD-LTE: B34/38/39/40/41(full)<br>FDD-LTE: B1/2/3/4/5/7/8/12/13/17/20/28/66 |
| QCI                       | 1-9, 65, 66, 69, 70   |
| Dimensions/Weight         | 253.5 x 182.5 x 17.5 mm, 930 g  |
| Display                   | 10.1 inches, 1200 x 1920 pixels display<br>Sunlight readable<br>Supports wet hands and gloves                                 |
| Operating System          | Android™11  |
| Processor                 | Qualcomm® Snapdragon® 665(SM6125)<br>Kryo™ 260 CPU, Octa-core CPU, 2.0 GHz  |
| Battery                   | 2 x 4000 mAh removable  |
| Talk Time                 | 50 H/700 H  |
| Standby Time(theoretical) |   |
| Audio                     | ø32 2 W 103 dB loudspeaker  |
| Camera                    | Front 5 MP FF<br>Rear 13 MP PDAF camera<br>Supports rear camera flash   |

|               |   |
|---------------|---|
| Connectivity  | Type-C charging port (USB 3.1),<br>3.5 mm headset jack, Type-A(USB 2.0)<br>Bluetooth® 5.0<br>IEEE 802.11a/b/g/n/ac/e/k/r/v<br>2.4 GHz/5 GHz<br>Supports NFC |
| Memory        | 4 GB RAM + 64 GB ROM<br>(Compatible with 6 GB + 128 GB,<br>supports MicroSD up to 256 GB)   |
| Location      | GPS, A-GPS, Galileo, Beidou and Glonass   |
| Sensor        | G-sensor, Light sensor, Magnetic sensor,<br>Gyroscope, Barometer, Hall-effect sensor,<br>SAR sensor   |
| Certification | IP68, MIL-STD-810H, CE/ROHS, GMS,<br>WEEE, CB, FCC/IC   |
| SIM Card Type | Dual Nano-SIM   |



Desktop Charger



Bluetooth RSM



3.5 mm PTT RSM



3.5 mm PTT Headset



VESA Bracket



Adjustable Strap



Car Charger



Shoulder Strap

## RG940

### Rugged 5G 10.1" Industrial Android Tablet

- Qualcomm® high-performance 5G chipset
- Built-in an ultra-rugged shell, 1.5 m drop resistance
- 8100 mAh removable battery
- Supports CBRS, B68, eMBMS
- 10.1 inches sunlight readable screen
- Supports Dual Frequencies (L1/L5)
- 2W loudspeaker, 103 dB  
Dual MIC noise cancellation
- Front 5 MP  
Rear 50 MP PDAF camera
- Supports NFC and OTG
- Android™ 13
- IP68 / MIL-STD-810H  
GCF, PTCRB certification

|                   |   |
|-------------------|---|
| Frequencies       | TDD-LTE: B38/39/40/41(full)/42/43/48<br>FDD-LTE: B1/2/3/4/5/7/8/12 with MFBI/B13<br>/B14/17/20/25/26/28A/28B/29/30/66/68/71<br>5G NR: n1/n2/n3/n5/n7/n8/n12/n14/n20<br>/n25/n26/n28/n38/n30/n40/n41/n48/n66<br>/n71/n77/n78/n79 |
| QCI               | 1-9, 65, 66, 67, 69, 70   |
| Dimensions/Weight | 266 x 167.5 x 19.5 mm, 1030 g   |
| Display           | 10.1 inches, 1200 x 1920 pixels display<br>Sunlight readable<br>Supports wet hands and gloves   |
| Operating System  | Android™13  |
| Processor         | Qualcomm® QCM6490<br>Octa-Core, 2.7 GHz   |
| Battery           | 8100 mAh removable  |
| Audio             | 2W loudspeaker, 103 dB<br>Dual MIC noise cancellation   |
| Camera            | Front 5 MP<br>Rear 50 MP PDAF camera  |

|               |   |
|---------------|---|
| Connectivity  | Supports USB-C (3.1)<br>16-pin interface, 12-pin for docking station<br>Bluetooth® 5.2<br>802.11 a/b/g/n/ac/ax/e/k/r/v<br>Supports Wi-Fi 5, Wi-Fi 6<br>Supports NFC |
| Memory        | 8 GB RAM + 128 GB ROM<br>(Micro SDHC up to 512 GB)  |
| Location      | GPS, A-GPS, Glonass, A-Glonass, Galileo<br>Beidou<br>Supports Dual Frequency (L1/L5)  |
| Sensor        | Proximity Sensor, Light sensor,<br>Magnetic sensor, Gyroscope,<br>Barometer, G-sensor,  |
| Certification | IP68, MIL-STD-810H, CE/ROHS, GMS,<br>WEEE, CB, FCC/IC, BQB  |
| SIM Card Type | Nano-SIM + eSIM   |



Car Holder



16-pin PTT Headset



16-pin PTT RSM



Shoulder Strap



Adjustable Strap



Bluetooth RSM



## RG226

### 4G Body Worn Camera

- HD-infrared night vision
- Stronger performance Octa-Core, 2.0 GHz
- 3300 mAh removable battery
- RG-OS 12, 8-core processor, 2.0 GHz
- Supports video recording and H.265 technology compression
- Ready to Push-to-talk
- IP68 certification
- Supports SOS
- Supports face & license plate recognition and video intercom(optional)

|                         |  |
|-------------------------|--|
| Frequencies             | GSM: B2/3/5/8, CDMA 1X(BCO)<br>WCDMA: B1/2/4/5/8, CDMA EVDO (BCO)<br>TDD-LTE: B34/38/39/40/41<br>FDD-LTE: B1/2/3/4/5/7/8/12/17/20/28 |
| Dimensions/Weight       | 87 x 55 x 30 mm, 176 g   |
| Display                 | 2.4 inches 480 x 640 pixels display, MIPI interface, single touch + gesture capacitive touch screen                                  |
| Operating System        | RG-OS 12   |
| Processor               | MTK MT6769 Octa-core 2.0 GHz   |
| Battery                 | Built-in 3300 mAh removable battery  |
| Talk Time/ Standby Time | 9 H(flight mode 1080 P video recording), 4 H(single battery real-time)/300 H   |

|               |  |
|---------------|--|
| Connectivity  | Type-C (USB 2.0)<br>Bluetooth® 5.0<br>802.11ac/a/b/g/n Wi-Fi 2.4 GHz & 5.8 GHz |
| Audio         | 8 R/1.5 W, 25*16 mm, with dual MIC   |
| Camera        | 1080 P USB protocol camera   |
| Memory        | 3 GB RAM + 32 GB ROM (Supports micro-SD card up to 256 GB)                     |
| Location      | GPS, Galileo, Beidou and Glonass   |
| Sensor        | Light sensor, G-sensor, Gyroscope, Barometer, Magnetic sensor                  |
| Certification | IP68   |
| SIM Card Type | Single Nano-SIM card   |



Belt Clip



USB Cable



Charger

## RG230

### 4G PoC Mobile Device For Fleet Communication

- Supports 180° rotation
- Supports single/group/all talk
- RG-OS 14 GO
- Supports unlimited distance and stable call
- 3.5 inches HD touch screen
- High performance magnetic horn unit to reduce noise and howling

|                   |   |               |   |
|-------------------|---|---------------|---|
| Frequencies       | FDD-LTE: B1/3/5/7/8/20/28A/28B<br>TDD-LTE: B38/39/40/41<br>WCDMA: B1/2/5/8<br>GSM/GPRS/EDGE: B2/3/5/8 | Power supply  | 12 V~36 V DC  |
| Dimensions/Weight | 170 x 80 x 85 mm, 380 g   | Connectivity  | SIM/Micro SD card slot, Antenna Port, Type-C (USB 2.0) Bluetooth® 5.0 Wi-Fi 2.4 GHz & 5 GHz |
| Display           | 3.5 inches touch screen, 320 x 480 pixels display   | Audio         | 20 Ω 4 W 105 dB   |
| Operating System  | RG-OS 14 GO   | Memory        | 2 GB RAM + 16 GB ROM (Supports micro SD card expansion)                                     |
| Processor         | MT8766 4x2.0 GHz ARM Cortex-A53   | Location      | GPS, Galileo, Beidou and Glonass  |
|                   |   | SIM Card Type | Single SIM card   |



RSM



Mounting Bracket



Screws



Extremal Antenna



GPS Antenna



Power Cable






















Adaptor (optional)



Car Charger (optional)

## Product Overview

| Featured Devices  | Smart Devices  | Tablets   | In vehicle<br>& Wearables & Accessory  |
|---|--|---|--|
| <br>RG170              | <br>RG380     | <br>RG935              | <br>RG230 |
| <br>RG190              | <br>RG440     | <br>RG940             | <br>RG-SW |
| <br>RG530              | <br>RG540     |   |  |
| <br>RG360              | <br>RG725     | <br>Integrated Display | <br>RG-TH |
| <br>RG360 (screenless) | <br>RG725Plus |   | <br>RG226 |
| <br>RG750              | <br>RG760     |   |  |
| <br>RG880             | <br>RG880i   |   | <br>RG100 |
| <br>RG885             | <br>RG865    |   |  |



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