

Broadband Push To Talk For Critical Communications

RugGear®

Product Portfolio



POWER IDEA TECHNOLOGY(SHEN ZHEN) CO.,LTD

PowerIdea Technology (ShenZhen) 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

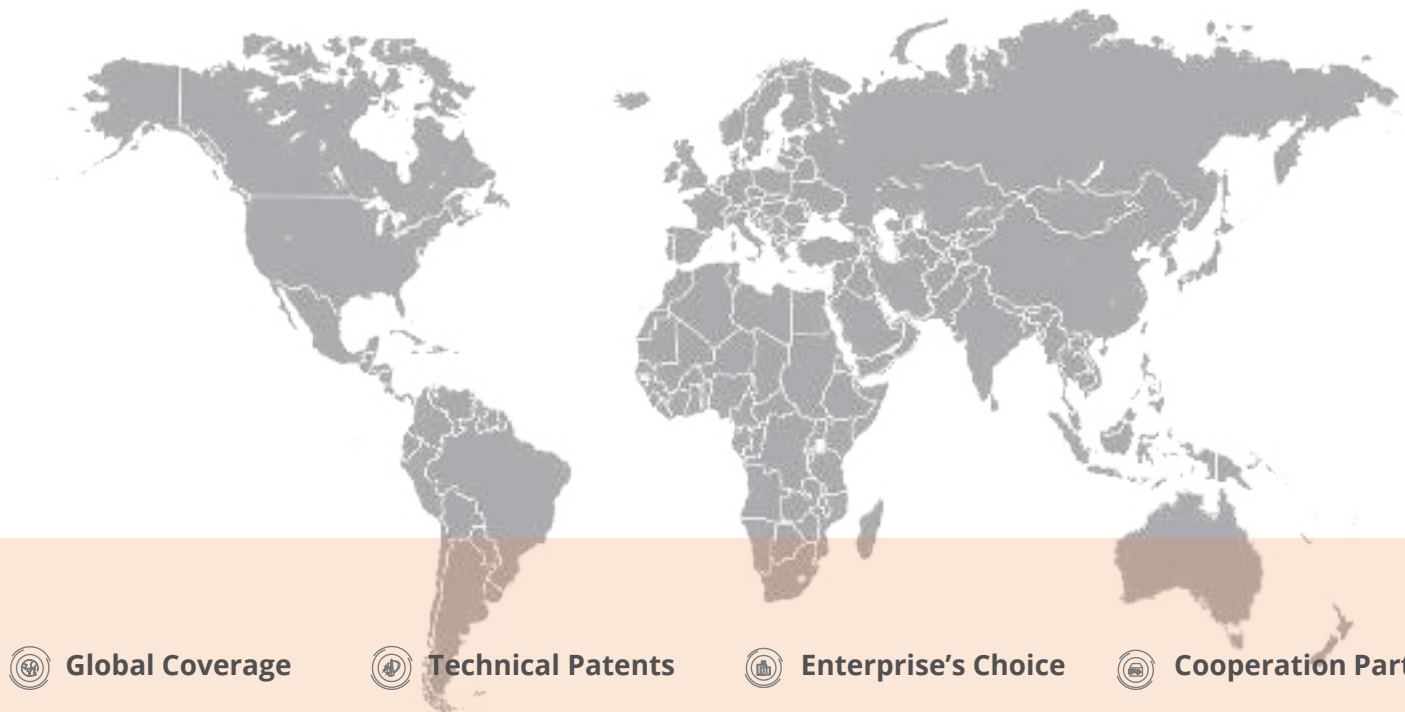


ISO 27001



IATF 16949

About RugGear



110 +

230 +

TOP 500

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 WCDMA: B1/5/8 TDD-LTE: B40 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 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 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 (supports Micro-SD up to 128 GB)
Location	GPS, A-GPS, Glonass
Sensor	Proximity Sensor, Light Sensor G-sensor
Certification	IP69, MIL-STD-810G, CE/ROHS, WEEE, CB 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
- Small-screen, simple functionality, easy to use
- 105 dB loudspeaker
- High-resilience keypad dedicated to critical mission
- Supports SOS
- 3000 mAh long-lasting removable battery

Frequencies	GSM//GPRS/EDGE: B2/3/5/8 WCDMA/HSPA+: Band 1/2/4/5/8 TDD-LTE: B34/38/39/40/41 (full) 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 1.28 GHz, 3GPP Rel.9
Battery	3000 mAh removable battery

Connectivity	USB-C, 3.5 mm audio interface Bluetooth 4.2 LE 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 (supports MicroSD up to 128 GB)
Location	GPS, A-GPS, Glonass
Sensor	Accelerometer
Certification	IP54, MIL-STD-810H, CE/ROHS, WEEE, 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 WCDMA: B1/2/4/5/8 TDD-LTE: B38/40/41 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 Sunlight readable 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 Bluetooth® 4.2 LE, 802.11 a/b/g/n, 2.4 GHz & 5 GHz NFC: Optional
Audio	Φ36 mm 2 W 105 dB front loudspeaker
Camera	Rear 2 MP FF
Memory	1 GB RAM + 8 GB ROM (Supports Micro-SD/ Micro-SD up to 128 GB)
Location	GPS, A-GPS, Glonass
Sensor	Proximity Sensor, Light Sensor Magnetic Sensor, G-sensor
Certification	IP68, MIL-STD-810H, CE/ROHS, WEEE, CB , 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 FDD-LTE: B1/2/3/4/5/7/8/12 with MFB1/13/14 /17/20/25/26/28/29/30/66/68/71 5G:n1/n2/ n3/n5/n7/n8/n12/n14/n20/n25/ n28/n30/n38/n40/n41/n48/n66/n71/n77/ n78/n79 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, with Corning® Gorilla® 3rd Glass Supports wet hands and gloves
Operating System	RG-OS 14
Processor	Qualcomm® QCM6490, Octa-core, 2.7 GHz, 3GPP R15

Battery	2400 mAh removable(4800 mAh optional)
Connectivity	Type-C (USB 3.1), 8-pin interface Bluetooth® 5.2 802.11 a/b/g/n/ac/ax/e/k/r/v, Wi-Fi 5, Wi-Fi 6 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, Beidou
Sensor	G-sensor, Magnetic sensor, Gyroscope, Barometer
Certification	IP68, MIL-STD-810H, GCF, PTCRB, CE/ROHS, WEEE, 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 WCDMA: B1/2/4/5/8 TDD-LTE: 38/39/40/41 FDD-LTE: B1/2/3/4/5/7/8/12/13/14/ 17/20/25/26/28/29/30/66 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 Sunlight readable Supports wet hands and gloves
Operating System	Android™ 13
Processor	Qualcomm® Snapdragon SDM660-0-AA Octa-core & 2.2 GHz
Battery	3600 mAh removable
Talk Time	22H/333H
Standby Time(theoretical)	

Connectivity	Type-C, 13-pin connector, magnetic connector Bluetooth® 5.0, IEEE 802.11 a/b/g/n/ac/e/k/r/v 2.4 GHz & 5 GHz Supports NFC
Audio	φ 32 mm 103 dB loudspeaker
Camera	5 MP front + 13 MP rear camera
Memory	4 GB RAM + 64 GB ROM (Supports Micro-SD up to 128 GB)
Location	GPS, A-GPS, Galileo, Beidou and Glonass
Sensor	G-sensor, Light sensor, Proximity sensor 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® 3rd 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 WCDMA: B1/2/4/5/8 TDD-LTE: B34/38/39/40/41(full)/42/43/48 FDD-LTE: B1/2/3/4/5/7/8/12 with MFBI /17/20/25/26/28/29/30/66/68/71 5G NR - Sub6 GHz: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28 /n38/n30/n40/n41/n48/n66/n71/n77/n78/n79 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, with Corning® Gorilla® 3 rd Glass Sunlight readable Supports wet hands and gloves
Operating System	Android™ 12
Processor	Qualcomm® QCM6490, Octa-core, 2.7 GHz, 3GPP R15

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



R6725

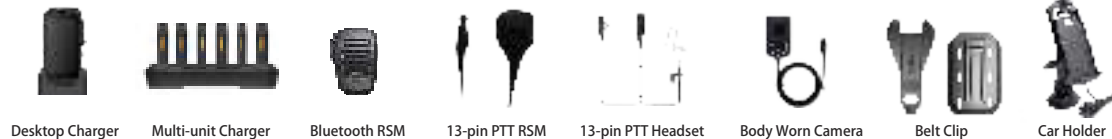
Dedicated Built For Professional Instant PTT



- 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 WCDMA: B1/4/5/8 FDD-LTE: B1/3/4/5/7/8/20/28 TDD-LTE: B38/39/40/41 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 Sunlight readable 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 802.11 a/b/g/n/ (2.4 GHz/5 GHz) Supports NFC
Audio	105 dB front loudspeaker
Camera	2 MP FF front + 13 MP PDAF rear camera
Memory	3 GB RAM + 32 GB ROM (Supports Micro-SD up to 128 GB)
Location	GPS, A-GPS, Glonass
Sensor	Proximity Sensor, Light Sensor Magnetic Sensor, G-sensor
Certification	IP68 & MIL-STD-810G
SIM Card Type	Dual nano-SIM



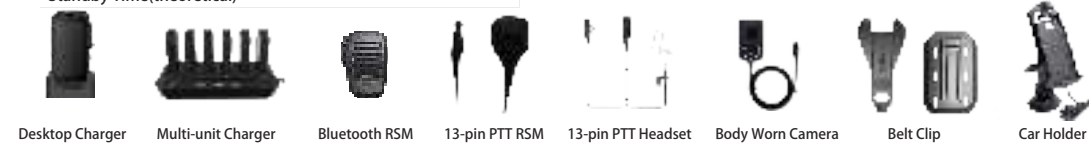
R6750

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 WCDMA: B1/2/4/5/8 TDD-LTE: 34/38/39/40/41 (full) FDD-LTE: B1/2/3/4/5/7/8/12/13/ 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 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) Bluetooth® 5.0, 802.11 a/b/g/n/ac/e/k/r/v (2.4 GHz/5 GHz), Wi-Fi 5 Supports NFC
Audio	2 W 105 dB front loudspeaker
Camera	5 MP front + 13 MP rear camera
Memory	4 GB RAM + 64 GB ROM (Supports Micro-SD card up to 256 GB)
Location	GPS, A-GPS, Galileo, Beidou and GLONASS
Sensor	G-sensor, Light sensor, Proximity Sensor Magnetic sensor, Gyroscope
Certification	IP68 & MIL-STD-810H
SIM Card Type	Dual nano-SIM





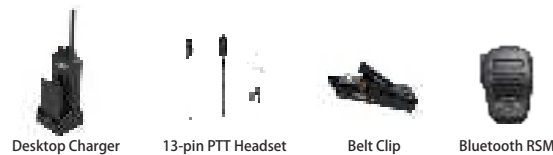
RG760

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 WCDMA: B1/2/5/8 TDD-LTE: B38/39/40/41 FDD-LTE: B1/3/5/7/8/20/28/31 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 Bluetooth® 4.1 LE IEEE 802.11 b/g/n/r/ac with hotspot 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 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

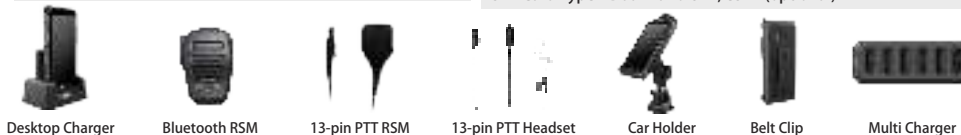
RG880i

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 WCDMA: B1/2/4/5/8 TDD-LTE: B34/38/39/40/41(full) FDD-LTE: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/26/28/66
QCI	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 Sunlight readable Supports wet hands and gloves
Operating System	Android™ 14
Processor	Qualcomm® Snapdragon® 680 (SM6225) Octa-core 2.4 GHz 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 Bluetooth® 5.1 LE 802.11 a/b/g/n/ac/e/k/r/v/mc Wi-Fi Roaming, Wi-Fi 5 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 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 WCDMA/HSPA+: 1/2/4/5/8 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/2/3/4/5/7/8/12/13/14/17/18 /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 Up to 2.0 GHz
Battery	5000 mAh, removable Can be used in 65°C environment Semi-solid state battery
Connectivity	Type-C, Bluetooth® 5.1 LE, USB 3.0, 13-pin interface 802.11 a/b/g/n/ac/e/k/r/v Support 2.4 G & 5 GHz, Wi-Fi 5 Support max 8 connections hotspot

Audio	3 W 105 dB loudspeaker Independent Hardware Noise Cancellation
Camera	Rear 13 MP PDAF, with rear camera flash
Memory	6 GB RAM + 128 GB ROM 8 GB RAM + 64 GB ROM
Location	GPS, A-GPS, Glonass, Galileo, Beidou L1/L5 dual-frequency
Sensor	Accelerometer, Gyroscope, Barometer, Magnetic, Light , 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 FDD-LTE: B1/2/3/4/5/7/8/20/28 WCDMA: B1/2/4/5/8	Location	Indoor: LBS/BT/WIFI/Fused Location Outdoor: GPS/A-GPS/Galileo/GLONASS/Beidou
Processor	ASR3603S 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 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 WCDMA: B1/2/4/5/8 TDD-LTE: B34/38/39/40/41/42/43/48 FDD-LTE: B1/2/3/4/5/7/8/12/13/14/17/18/ 19/20/25/26/28/29/30/53/66/68/71 5G NR FR1: n1/n2/n3/n5/n7/n8/n14/n20/n28/ n38/n40/n41/n48/n53/n66/n71/n77/n78/n79
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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, Octa-core, long-term IOT 5G chipset eMBMS built in

Battery 4500 mAh removable battery

Connectivity	TYPE-C(USB 3.1) 13-pin audio & OTG interface 2-pin for desktop charging 5-pin for accessories expansion Bluetooth® 5.2 802.11 a/b/g/n/ac/ax/e/k/r/v support Wi-Fi 5/Wi-Fi 6/6E
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Audio >103 dB, High-quality speaker
Noise cancellation

Camera Rear: 50 MP PDAF + 20 MP night vision camera
Front: 8 MP FF

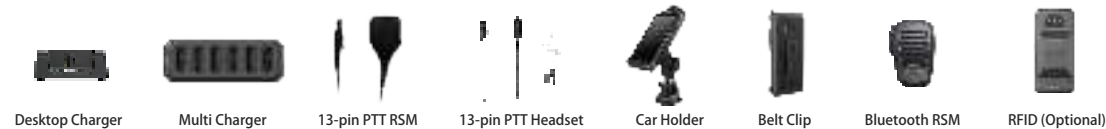
Memory 8 GB RAM + 128 GB ROM
(Supports micro-SD card up to 512 GB)

Location A-GPS, GPS, GLONASS, A-GLONASS, Galileo, Beidou, Dual Frequency (L1 + L5)

Sensor Proximity Sensor, Light Sensor, Magnetic Sensor
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) FDD-LTE(B1/2/3/4/5/7/8/12/13/17/18/19/ 20/26/28) WCDMA(B1/2/4/5/8) GSM/EDGE/GPRS(850/900/1800/1900)
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Display 6.0 inches 720 x 1440 pixels display,
Wet hands and gloves operation
Sunlight readable

Operating System Android™ 16

Processor Qualcomm® 6-series
Octa-core CPU 2.4 GHz

Battery 4500 mAh removable battery
Supports hot-swap

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

Audio Front speaker ≥ 100 dB at 10 cm distance
Dual-Mic Noise Cancellation

Camera Rear: 13 MP PDAF
Front: 8 MP FF

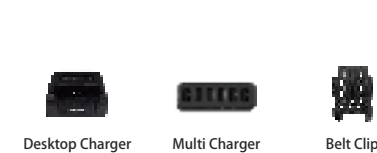
Memory 6 GB RAM + 128 GB ROM

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

Sensor Light Sensor, Proximity Sensor,
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 WCDMA: B1/2/4/5/8 TDD-LTE: B34/38/39/40/41(full) 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 Sunlight readable Supports wet hands and gloves
Operating System	Android™11
Processor	Qualcomm® Snapdragon® 665(SM6125) 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 Rear 13 MP PDAF camera Supports rear camera flash

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



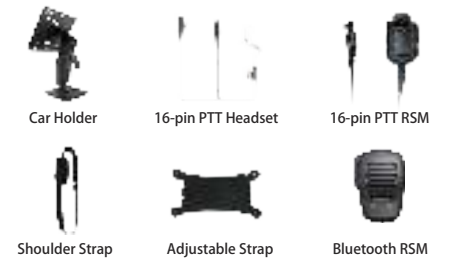
RG940

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 FDD-LTE: B1/2/3/4/5/7/8/12 with MFBI/B13 /B14/17/20/25/26/28A/28B/29/30/66/68/71 5G NR: n1/n2/n3/n5/n7/n8/n12/n14/n20 /n25/n26/n28/n38/n30/n40/n41/n48/n66 /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 Sunlight readable Supports wet hands and gloves
Operating System	Android™13
Processor	Qualcomm® QCM6490 Octa-Core, 2.7 GHz
Battery	8100 mAh removable
Audio	2W loudspeaker, 103 dB Dual MIC noise cancellation
Camera	Front 5 MP Rear 50 MP PDAF camera

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





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) WCDMA: B1/2/4/5/8, CDMA EVDO (BCO) TDD-LTE: B34/38/39/40/41 FDD-LTE: B1/2/3/4/5/7/8/12/17/20/28	Connectivity	Type-C (USB 2.0) Bluetooth® 5.0 802.11ac/a/b/g/n Wi-Fi 2.4 GHz & 5.8 GHz
Dimensions/Weight	87 x 55 x 30 mm, 176 g	Audio	8 R/1.5 W, 25*16 mm, with dual MIC
Display	2.4 inches 480 x 640 pixels display, MIPI interface, single touch + gesture capacitive touch screen	Camera	1080 P USB protocol camera
Operating System	RG-OS 12	Memory	3 GB RAM + 32 GB ROM (Supports micro-SD card up to 256 GB)
Processor	MTK MT6769 Octa-core 2.0 GHz	Location	GPS, Galileo, Beidou and Glonass
Battery	Built-in 3300 mAh removable battery	Sensor	Light sensor, G-sensor, Gyroscope, Barometer, Magnetic sensor
Talk Time/ Standby Time	9 H(flight mode 1080 P video recording), 4 H(single battery real-time)/300 H	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 TDD-LTE: B38/39/40/41 WCDMA: B1/2/5/8 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 & Wearables & Accessory



RG170



RG190



RG380



RG440



RG530



RG540



RG935



RG940



RG230



RG-SW



RG360



RG360
(screenless)



RG725



RG725Plus



RG750



RG760



Integrated
Display



RG-TH



RG226



RG880



RG880i



RG885



RG865



RG100



*Scan here
to learn more*