



COMRAD

CP12



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

COMRAD CP12

About the radio:

The multifunctional portable Android terminal with the installed Comrad client software, supplied with regular accessories: Li-ion battery, desktop charger, belt clip, user manual.

The affordable and reliable portable terminal has a conveniently located PTT button, volume buttons, channel switch, powerful speaker and interface for connecting headsets and microphones. Reliable operation under extreme environmental conditions. Meets mission critical requirements.

Technical features:

Operation system	Android
Processor	Quad-Core, 1.5Ghz
Memory	1GB RAM + 8GB ROM
Screen	1.8"
Special buttons	PTT
Loudspeaker	1W
Camera	Front Camera 8MP
SIM Card slots	Dual Nano Sim
Wi-Fi	802.11a/b/g/n 2.4G & 5G
Bluetooth	v4.2
Dimensions	172.8x76.3x50.7mm
Interfaces	USB-Type C, M6
Weight	408g
Working temperature	-20°C / +55°C
Storage temperature	-30°C / +70°C
Robust and Protection	IP68, 1m DropTest, MIL-STD810h
Positioning	GNSS
Battery	6400mAh
Bands	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20/B28A-B





COMRAD

CP7W



COMRAD CP7W

About the radio:

The multifunctional portable Android terminal, with the installed Comrad client application software, with flashlight, photo/video recording functions, supplied with regular accessories: Li-Ion battery, USB cable, charger, user manual.

Multifunctional, robust and reliable portable terminal for POC voice communication with convenient PTT button, screen with channels, network signal level, battery charging indication, possibility to switch working groups and choose necessary subscriber. The terminal has navigation buttons, audio volume regulator, loudspeaker, SOS button, programmable buttons and USB-C interface. CP7W has a powerful flashlight and a video camera which let make and transmit high quality photos and videos in daylight or no light conditions.

Technical features:

Operation system	Android
Processor	Quad-Core, 1.5GHz
Memory	2GB RAM + 16GB ROM
Screen	2.4" IPS, Touch Screen
Special buttons	PTT
Camera	first 13MP, second 16MP
Sensors	vibro motor, gravity, proximity geomagnetism, light sensor
SIM Card slots	One Micro-SIM
Wi-Fi	802.11a/b/n/g 2.4 & 5GHz
Bluetooth	v2.1+EDR / v3.0+HS / v4.0
NFC	Yes
Dimensions	56.6x266.8mm
Interfaces	USB-C, M6 multimedia interface
Weight	325g
Working temperature	-20°C / +60°C
Storage temperature	-40°C / +80°C
Protection	IP54
Positioning	GNSS
Battery	7000mAh
Video/Photo	video front camera 720P/3gp, rear camera 1080P/3gp photo JPG
Bands	GSM: 850/900/1800/1900Mhz FDD-LTE: B1/B3/B8 TDD-LTE: B38/B39/B40/B41





COMRAD

CP41 Ex



COMRAD CP41 Ex

About the radio:

The multifunctional portable Android terminal with Ex standard ATEX, Comrad CP41 Ex rugged 6.3" IP68 android smartphone with the installed Comrad client application software, supplied with regular accessories: Li-Ion battery, USB cable, desktop charger, user manual.

Multifunctional, robust and reliable (IP68 water and dustprotection, 1.5m drop test according MIL 810G) smartphone with a convenient PTT button, a powerful processor, a color sensor 6.3" screen, channels and working groups menu, network signal level, battery charging level indication, Intrinsically safe design ATEX gas and dust (II 2 G Ex ib IIC T4 Gb IP68, II 2 D Ex tb IIIC T120C Db IP68) compliant.

CP41 Ex smartphone can work with different Android applications. The terminal has two cameras 24MP & 5MP, the possibility to use two SIM cards, powerful 2W loudspeaker, different sensors, audio level regulators, SOS button, programmable buttons, USB-C interface.

Technical features:

Operation system	Android
Processor	Octa-core, 2.0GHz
Memory	4GB RAM + 64GB ROM
Screen	6.3", Multi-Touch, Corning Gorria Glass
Camera	Main: 24MP, Micro Len 2PM, Front: 5MP
Special buttons	SOS, PTT, Volume(+/-), Power(on/off)
Loudspeaker	2.0W
Microphone	Dual pole mic with noise suppression
Interfaces	USB Type-C, USB 2.0, Support OTG
SIM Card slots	2NanoSIM or 1NanoSIM/1CardSlot + TFCard
Sensors	G-Sensor/Acceleration Sensor, E-compass
Wi-Fi	2.4GHz & 5GHz
Bluetooth	v5.0
Positioning	GNSS
NFC	Yes
Dimensions	185x84x16mm
Weight	321g
Robust and Protection	IP68, 1.5m DropTest, MIL 810G
EX Standard ATEX	II 2 G Ex ib IIC T4 Gb, II 2 D Ex tb IIIC T120C Db
Working temperature	-10°C / 50°C
Storage temperature	-40°C / 70°C
Battery	4400mAh Li-Po, replaceable
Bands	GSM:B2/B3/B5/B8 FDD LTE: B1-5/B7-8/B12-13/B17-20/B25-26/B28A-B TDD-LTE: B34/B38/B39/B40/B41





COMRAD

CP11



COMRAD CP11

About the radio:

The multifunctional portable Android terminal with the installed Comrad client software, supplied with regular accessories: Li-Ion battery, USB cable, desktop charger, belt clip, user manual.

The portable terminal is designed for professional usage and equipped with a powerful battery that allows you to work up to 13 hours without recharging, has a conveniently located PTT button, volume control, channel switch, SOS button, USB and M6 interfaces for connecting accessories (including headsets and microphones used with traditional radios).

Technical features:

Operation system	Android
Processor	Quad-Core, 1.5Ghz
Memory	1GB RAM + 8GB ROM
Screen	No
Special buttons	PTT
Loudspeaker	2.0W
SIM Card slots	Standard SIM card
Wi-Fi	IEEE 802.11a/b/g/n
Bluetooth	v4.2
Dimensions	141.2x63.7x37.5mm
Robust and Protection	IP54
Interfaces	Micro USB 2.0, M6/K Port
Weight	310g
Working temperature	-20°C / +55°C
Storage temperature	-30°C / +70°C
Positioning	GNSS
Battery	4800mAh
Bands	GSM: B2/B3/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20/B28A-B TDD-LTE: B38/B39/B40/B41





COMRAD

RC02



COMRAD RC02

About the radio:

A personal video recorder with recording function and PTT communication, equipped with a display, built-in 3/4/5G module for online viewing and location tracking.

Works under control of the specialized software Comrad PVR. A color display allows the user to quickly receive information on the status and operation of the personal video recorder.

Contents of delivery:

- USB Type-C cable for data transfer from DVR
- 220V power adapter for DVR
- Shoulder strap mount

Technical features:

Operation system	Android
Processor	Octa-Core, 2GHz
Memory	4GB RAM + 64GB ROM
Screen	LCD: 3.1"
Special buttons	PTT
Loudspeaker	2.5W
SIM Card slots	Dual Nano Sim
Wi-Fi	2.4G & 5 GHz
Bluetooth	v5.1
Dimensions	100x60x22mm
Robust and Protection	IP68, 2m DropTest, MIL-STD810G
Interfaces	USB-Type C, USB 3.0
Weight	190g
Working temperature	-30°C / +55°C
Storage temperature	-40°C / +70°C
NFC	Yes
Communication	GNSS
Battery	3500mAh
Camera	Main 13MP, NightVision 2MP Front 2MP, WideAngle 5MP
Bands	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 TDS: B34/B39 FDD-LTE: B1/B2/B3/B5/B7/B8/B26/B28A-B TDD-LTE: B34/B38/B39/B40/B41 CDMA: BC0 5G-NR: N1/N3/N41/N77/N78/N79/N28A-B





COMRAD

CP10



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COMRAD CP10

About the radio:

The multifunctional portable Android terminal Comrad CP10 is a subscriber device of the intercom system in a group or between subscribers. In particular, it can be used in a PoC (Push-to-Talk Over Cellular) system using cellular network and/or WiFi network to organize communication with protocol subscribers using PTT (Push-to-Talk) technology.

The absence of a large display also has a positive effect on the battery life of the device, and its compact size is an undeniable advantage.

Technical features:

Operation system	Android
Processor	Quad-Core, 1.1Ghz
Memory	1GB RAM + 8GB ROM
Screen	OLED 0.97"
Special buttons	PTT
SIM Card slots	Standard SIM card
Wi-Fi	IEEE802.11a/b/g/n 2.4G & 5G
Dimensions	117x60x30mm
Robust and Protection	IP67
Bluetooth	v4.0+BLE / v2.1+EDR
Weight	182g
Working temperature	-20°C / +60°C
Storage temperature	-30°C / +70°C
Positioning	GNSS
Battery	3600mAh
Bands	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 TDSCDMA: B34/B39 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B7/B8/B20/B28A-B

The terminal has a small OLED display located on top, which displays information on the current network connection (Wi-fi or GSM), signal strength and current talk group. The PTT and SOS buttons allow you to quickly set up a group an emergency call. The channel selector allows you to quickly change talk-groups without being distracted by working with the display.

The CP10 terminal provides the following services:

- Working with Voice Groups
- Emergency call
- Positioning in the dispatch console





COMRAD

CP30 UV



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

COMRAD CP30 UV

About the radio:

The multifunctional portable Android terminal with the installed Comrad client software, supplied with regular accessories: Li-ion battery, desktop charger, belt clip, user manual.

The portable terminal is designed for professional usage under extreme environmental conditions, meets IP68 & MIL-STD-810H requirements, supports DMR operation and has a PTT button, volume control, channel switch, SOS button, USB and M6 interfaces for connecting headsets and microphones accessories.

Technical features:

Operation system	Android
Processor	Quad-Core, 1.3GHz
Memory	2G RAM + 16G ROM (up to 32G)
Screen	2.4"
Special buttons	PTT, Emergency
Camera	Front 5MP; Rear 13MP 107°
Loudspeaker	3W waterproof speaker
Microphone	Master + Slave + Noise-cancelling
SIM Card slots	Dual SIM Card + TF Card
Wi-Fi	IEEE 802.11a/b/g/n/ac/k/v/r
Bluetooth	v5.0 + BLE
NFC	Customizable
Frequency range	UHF: 400-480MHz (ver. CP30U) VHF: 136-174MHz (ver. CP30V)
Transmit power	4W (ver. CP30U), 5W (ver. CP30V)
Dimensions	without Belt Clip and Antenna: 162.3x61x38mm Thick Battery 162.3x61x34.5mm Thin Battery
Weight	350g
Working temperature	-5°C / +55°C
Storage temperature	-20°C / +70°C
Robust and Protection	IP68, 1.5m DropTest CE/FCC/MIL-STD-810H/GMS
Positioning	GNSS
Battery	3100mAh (Removable) 4000mAh (Optional), 7.6V
Bands	2G: B2/B3/B5/B8 3G: B1/B2/B4/B5/B8 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B26/B28/B66 TDD-LTE: B38/B39/B40/41





COMRAD

CP20



COMRAD CP20

About the radio:

The multifunctional portable Android terminal with the installed Comrad client software, supplied with regular accessories: Li-Ion battery, USB cable, desktop charger, belt clip, user manual.

The compact, durable and reliable portable terminal has a conveniently located PTT button, a 2.4" color touch screen that allows you to control channels, signal strength, battery status, select subscribers and groups, and work with other Android applications. The terminal has control buttons, volume buttons, a powerful 2W speaker, the ability to install 2 SIM cards, M6 interface for connecting accessories (including headsets and microphones used with traditional radio stations). The dust and moisture protection level of the terminal is IP65 (can be increased to Ip67).

Technical features:

Operation system	Android
Processor	Quad Core, 1.3GHz
Memory	1GB RAM + 8GB ROM
Screen	LCD: 2.4" TFT touch screen
Special buttons	PTT
Loudspeaker	2W
Camera	5M pixel + 2M pixel
SIM Card slots	Dual Micro Sim
Wi-Fi	802.11 a/b/g/n 2.4G & 5G
Bluetooth	v4.2
Dimensions	134x65x23.5mm
Robust and Protection	IP65 (IP67 Optional), 1.2m DropTest
Interfaces	Micro USB 2.0, M6 Earphone Jack
Weight	257g
Working temperature	-20°C / +55°C
Storage temperature	-30°C / +70°C
Positioning	GNSS
Battery	3500mAh
Bands	GSM: B2/B3/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20/B28A-B TDD-LTE: B38/B39/B40/B41





COMRAD

CP20 UV



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

COMRAD CP20 UV

About the radio:

The multifunctional portable Android terminal with installed Comrad client software, supplied with regular accessories: Li-Ion battery, USB cable, desktop charger, belt clip, user manual.

The compact, durable and reliable portable terminal has a conveniently located PTT button, a 2.4" color touch screen that allows you to control channels, signal strength, battery status, select subscribers and groups, and work with other Android applications. The terminal has control buttons, volume buttons, a powerful 2W speaker, the ability to install 2 SIM cards, M6 interface for connecting accessories (including headsets and microphones used with traditional radio stations). The dust and moisture protection level of the terminal is IP65 (can be increased to IP67).

This terminal supports DMR and Analog in UHF or VHF frequencies.

Technical features:

Operation system	Android
Processor	Quad-Core, 1.3GHz
Memory	1GB RAM + 8GB ROM
Screen	LCD: 2.4" TFT touch screen
Special buttons	PTT
Loudspeaker	2W
Camera	5MP + 2MP
SIM Card slots	Dual Micro Sim
Interfaces	Micro USB, M6 Earphone Jack
Weight	257g
Working temperature	-20°C / +55°C
Storage temperature	-30°C / +70°C
Positioning	GNSS
Battery	3500mAh
Wi-Fi	802.11a/b/g/n 2.4G & 5G
Bluetooth	v4.2
Dimensions	134x65x23.5mm
Robust and Protection	IP65 (IP67 Opt.), 1.2m DropTest
Frequency range	VHF: 136-174MHz (ver. CP20V) UHF: 400-470MHz (ver. CP20U)
Bands	GSM: B2/B3/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20/B28A-B TDD-LTE: B38/B39/B40/B41



RAD

CM21



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0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

COMRAD CM21

About the radio:

The multifunctional mobile Android terminal, (DMR VHF and DMR UHF versions) with installed Comrad client software, supplied with regular accessories: installation kit, connection cables, remote microphone, PTT button, user manual.

This terminal can be used for vehicle installation (powered by the vehicle on-board power supply) or for permanent installation. In case of stationary installation of the terminal, it is necessary to supplement it with a contact power supply from a 220V network.

Technical features:

Operation system	Android
Processor	Quad-Core, 1.1 Ghz
Memory	1GB RAM + 8GB ROM
Screen	6.0"
Special buttons	PTT on the Palm Speaker Microphone
Loudspeaker	Max 5W
SIM Card slots	Micro-SIM card
Camera	Full HD 2MP
Wi-Fi	IEEE802.11a/b/g/n 2.4G
Dimensions	190x93x66mm
Robust and Protection	IP54
Bluetooth	v4.0+BLE / v2.1+EDR
Weight	486g
Working temperature	-20°C / +80°C
Storage temperature	-30°C / +90°C
Positioning	GNSS
Bands	GSM: B2/B3/B5/B8 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20/B28



RAD

CM22



COM



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

COMRAD CM22

About the radio:

Mobile 3G/LTE, Android terminal with the installed Comrad client software, supplied with regular accessories: Palm microphone, vehicle installation kit, power cable, user manual.

This terminal can be used for vehicle installation (powered by the vehicle's power supply) or for stationary installation. In case of permanent installation, the terminal shall be equipped with an uninterruptible power supply from a 220V network.

The reliable mobile terminal has an external microphone with a convenient PTT button, a 2.45" color touch screen that allows you to control channels and signal strength, 4 programmable buttons, a 5W speaker that provides loud sound in high quality, a volume control, and an SOS button.

Technical features:

Operation system	Android
Processor	Quad-Core, 2Ghz
Memory	2GB RAM + 16GB ROM
Screen	IPS 2.45" G + F touch screen
Special buttons	PTT on the Palm Speaker Microphone
Loudspeaker	Max 5W
SIM Card slots	Dual SIM card
Wi-Fi	IEEE802.11a/b/g/n 2.4G & 5G
Dimensions	188x58x87mm
Robust and Protection	Ip54
Bluetooth	v4.0 + BLE5.0
Weight	450g
Working temperature	-20°C / +60°C
Storage temperature	-30°C / +70°C
Positioning	GNSS
Bands	GSM: B2/B3/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B38/B39/B40/B41





GOV RAD

CP42 5G



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

COMRAD CP42 5G

About the radio:

Rugged Smartphone with POC functionality and the installed Comrad client application, supplied with regular accessories: Li-Ion battery, USB cable, charger and user manual.

CP42 5G can work in COMRAD communication systems with connection through 3G/LTE, 5G or Wi-Fi networks and also as a usual smartphone with various Android applications. CP42 5G can be used by management and field technical staff for PTT group and individual communication, and for work with other IT solutions in different market segments.

The indication of group and channel numbers shown on the screen.
Ultra powerful battery (6000 mAh) guarantees long-lasting and excellent performance. IP68 high level of water and dust protection.
Robust passed 1.5M DropTest and MIL-810-H/GMS compliant.

Technical features:

Operation System	Android
Processor	Qcta-core, 2.0Ghz
Memory	6G RAM + 128G ROM (up to 8 + 256G)
Screen	6.3"
Special buttons	PTT, Emergency
Camera	Rear: 64MP + 16MP, Front: 8MP
Loudspeaker	2W
Microphone	Master + Slave + Noise-cancelling
SIM Cart slots	Dual SIM Card + TF Card
Wi-Fi	IEEE 802.11a/b/g/n/ac/k/v/r/h 2.4G & 5G
Bluetooth	v5.1 + BLE
NFC	Yes
Interfaces	USB Type-C 2.0, 3.5mm
Dimensions	156.8x75.7x16.0mm
Weight	320g
Working temperature	-20°C / +60°C
Storage temperature	-40°C / +85°C
Robust and Protection	IP68, 1.5m DropTest, CE/FCC/MIL-STD-810H/GMS
Positioning	GNSS
Battery	6000mAh Li-Po
Bands	GSM: B2/B3/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B38/40/41 5G-NR: N1-3/N5/N7-8/N20/N26/N28 N38/N40-41/N66/N77-79





COMRAD

CP42



COMRAD CP42

About the radio:

The multifunctional portable Android terminal Comrad CP42 rugged 5,0" IP68 Android smartphone with the installed Comrad client application software, supplied with regular accessories: Li-Ion battery, USB cable, desktop sharger, user manual.

Multifunctional, robust and reliable (IP67 water and dust protection) smartphone with convenient PTT button, a powerful processor, a color sensor 5" screen which let control channels, working groups, network signal level, battery charging level and work with different Android applications. The terminal has two cameras (13MP, 5MP), the possibility to use two SIM cards, powerful 3W loud speaker, different sensors, audio level regulators, SOS button, programmable buttons, USB-C

Technical features:

Operation system	Android
Processor	Quad-core, 1.5GHz
Memory	2G+16G (Optional 3+32G), 1*TF card
Screen	5", G + FF Multi-touch Screen, Gorilla Glass 3
Special buttons	PTT, Emergency
Camera	Back: 13MP with focus, Front: 5MP
Loudspeaker	3W
Microphone	Anti-interference microphone
Sensors	Acceleration sensor, Geomagnetic sensor
SIM Card slots	2*Nano sim card
Wi-Fi	IEEE 802.11a/b/g/n, 2.4G & 5G
Bluetooth	v4.0 with BLE
NFC	Optional
Dimensions	156.8x75.7x16.0mm (without Antenna & Belt clip)
Robust and Protection	IP67, 1.5m DropTest
Interfaces	USB Type-C 2.0, 3.5mm
Weight	245g
Working temperature	-5°C / +55°C
Storage temperature	-40°C / +80°C
Positioning	GNSS
Battery	4600mAh Li-Po
Bands	GSM: B2/B3/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B40

