

Model No. **CC-RP2**



6.78" Rugged Smartphone

RUGGED. RELIABLE. READY FOR INDUSTRY.

CC-RP2 Rugged Smartphone is engineered for demanding industrial and outdoor environments, powered by an MT6835T octa-core processor, 8GB RAM, 256GB storage, and a massive 20,000mAh battery. Featuring a 6.78" FHD+ display with 520 Nits brightness and 120Hz refresh rate, along with a 48MP main camera, 20MP night vision camera, and 2MP macro camera, it delivers reliable performance, extended battery life, and rugged durability with IP68, ATEX, and MIL-STD-810H protection.



6.78" FHD IPS



8GB RAM



128GB Storage



MT 6835T Octa Core



48/20/2MP (B) Camera



5G+ Dual SIM Support

KEY FEATURES

- ✓ 6.78" FHD+ IPS Display with 520 Nits Brightness & 120Hz Refresh Rate
- ✓ MediaTek MT6835T Octa-Core Processor, Up to 2.4GHz
- ✓ 8GB RAM + 256GB Storage
- ✓ 48MP Main + 20MP Night Vision + 2MP Macro Camera & 32MP Front
- ✓ 5G + Dual SIM Support
- ✓ Android 14 Operating System with GMS
- ✓ IP68 Waterproof & ATEX Certified Rugged Design
- ✓ 20,000mAh High-Capacity Battery with 33W Fast Charging
- ✓ GPS, BeiDou, Galileo, GLONASS & QZSS Navigation
- ✓ NFC, POC Network Intercom & Infrared Remote Control

TECHNICAL SPECIFICATIONS

NETWORK		
Connectivity	2.4G + 5.0G Dual-Band Wi-Fi, Bluetooth 5.2, AP Seamless Roaming	
Cellular	2G / 3G / 4G LTE / 5G Multi-Band Network Support	
GNSS	GPS / BeiDou / Galileo / GLONASS / QZSS, A-GPS	
DISPLAY		
Size	6.78 Inch TFT Display	
Resolution	1080 × 2460, 520 Nits	
Touch	10-Point Capacitive Touch, Wet-Hand & Glove Support	
Protection	Corning III Cover, 7H+ Hardness, Scratch-Resistant	
PROCESSOR, RAM & STORAGE		
Chipset	MT6835T (Dimensity 6300)	
CPU	Octa-Core, 2 × A76 2.4GHz + 6 × A55 2.0GHz	
GPU	ARM Mali-G57	
OS	Android 14 with GMS	
RAM	8GB LPDDR4X	
Storage	256GB UFS2.2, Optional 512GB for Bulk Orders	
Camera	Front Camera	32MP, Fixed Focus
	Main Camera	48MP, Autofocus, PDAF Support
	Night Vision	20MP, Autofocus
	Macro Camera	2MP
	Flash	True Flash
Battery	Built-in 3.87V / 20,000mAh Polymer Lithium-Ion Battery, 33W Fast Charging	
BODY		
Dimensions	181.8 × 87.8 × 29.05 mm	
Weight	600g Approx	
SIM	Micro SIM + TF / Micro SIM + Nano SIM	
Protection	• 1.22m Drop Resistance • IP68 Dust & Water Resistant • ATEX & MIL-STD-810H Rugged Design • Operating Temperature −20°C to 60°C • Storage Temperature −30°C to 70°C • Humidity 95% Non-Condensing	

Other

I/O Interfaces	• USB Type-C ×1 • TF Card TF Card ×1 • SIM SIM Card ×2 • Audio Earphone ×1
Material	ABS + PC
Color	Black + Orange
Languages	Multi-language
Sensor	Light Sensor, Proximity Sensor, 3D Accelerometer, Geomagnetic Sensor, Gyroscope, Gravity Sensor, Barometer
Accessories	• Lanyard • 33W Fast Charging Adapter • 1m Type-C Cable

OTHER FUNCTIONS

NFC	ISO18092, ISO14443 A/B, ISO15693 & Mifare Support
Fingerprint	Power On/Off & Fingerprint 2-in-1
Camping Light	Maximum Brightness up to 1000 Nits
Breathing Light	RGB LED Strip with Fixed Flash Frequency
IRC	Remote Control Distance over 10m
POC	Public Operator Communication Network Intercom

Side View



OUR PRODUCTS

- Rugged & Industrial Panel PCs
- Rugged & Industrial Displays
- Rugged Tablet PCs
- Rugged Laptops
- Embedded Fanless BOX PCs
- Rugged Workstations & Servers
- Rugged Ethernet Switches
- Rugged foldable workstation
- Rugged Smartphone
- Custom Built Solutions

Industrial Applications

