

CORE-M6



Built to withstand. Designed to last.

Designed for truly demanding conditions, the CORE-M6 meets the requirements of field professionals: ultra-rugged, completely waterproof, reliable, and more durable. It replaces several pieces of equipment while reducing costs and downtime.

The CORE-M6 goes where others stop. It exceeds resistance standards, features a unique reinforced screen, and benefits from waterproofness certified to **IP68/IP69K**, against all types of liquids, even under pressure, and even after impact. Its front speaker delivers sound at **102.5dB**, three times more powerful than average, ideal for communicating in noisy environments without additional accessories.

It offers up to **2 days of real autonomy**, even at -20°C , thanks to its intelligent power management. A true all-in-one tool, it transforms into a walkie-talkie, computer, scanner, and even a payment terminal. And above all, it comes with a **5-year warranty, battery included¹**, supported until 2032², and designed for easy repair. The CORE-M6 is more than just a rugged smartphone: it's a complete, durable, and cost-effective solution.

CORE-M6, it's the smartphone that:

<p>1</p> <p>Resistant to your daily life</p> <p>The most resistant in its category for a smartphone that remains functional even in cases of drops, immersion, or splashes of liquids under pressure.</p>	<p>2</p> <p>Allows you to make calls in all environments</p> <p>Optimal audio intelligibility for clear and effective communication, even in noisy environments.</p>	<p>3</p> <p>Always has battery, even at the end of your day</p> <p>Extended autonomy to stay available throughout the day, without the need to recharge and even at very low temperatures.</p>	<p>4</p> <p>Saves you money over time</p> <p>A smartphone designed to last, with a 5-year warranty, battery included¹, long-term maintenance, and design quality that increases its reliability.</p>
<p>5</p> <p>Makes you more efficient</p> <p>Ergonomics designed for the field and smooth performance to carry out your daily tasks without latency.</p>	<p>6</p> <p>Brings all your tasks together in a single device</p> <p>A single device to do everything: communicate, scan, pay, work, and thus reduce costs and complexity.</p>	<p>7</p> <p>Optimises your network connection, even in 5G</p> <p>Always reliable connectivity to stay reachable, responsive, and operational, even in the most challenging environments.</p>	

CORE-M6

TRULY RESISTANT TO ANY CHALLENGE



For those who work in the field, the CORE-M6 limits the risk of breakage. It continues to function after drops, shocks, or exposure to all types of liquids, even in extreme environments. Fewer interruptions, less equipment to replace: a reliable tool, ready to accompany you wherever you go.

All "reinforced" phones promise to withstand impacts. The CORE-M6 proves it. It was designed to absorb repeated drops on hard surfaces actually **encountered in the field: concrete, gravel, steel**. Tested 300 times on concrete, 1000 times in a drop drum, it far exceeds usual Military standard requirements.

Its exclusive **X-TREMESHIELD** structure combines a screwed waterproof case even after impact, made from 100% recycled aluminum for rigidity, and a screen protected by glass 60% thicker than average, integrated into a recess that prevents direct impact. Even the speakers are protected by GORE® membranes that let sound through but not water. Result: a device **that stands strong where others give up**.



WHAT MAKES THE DIFFERENCE

- **300 drops on concrete** (vs. only 26 for the Military standard MIL-STD 810H)
- **Total waterproofness IP68 / IP69K**, all types of liquids even under high pressure
- **0.8 mm reinforced glass screen +** protective recessed screen for X-Glass
- **Screwed case** (14 screws + threadlocker): remains waterproof after impacts
- **Internal from 100% recycled aluminum structure:** absorbs twisting and bending
- **TPU co-injected corners to dissipate** shock waves

CORE-M6

DESIGNED TO COMMUNICATE TRULY ANYWHERE



Even in the noisiest environments, you remain reachable and understandable to your contacts. Sound remains clear, communication is effective, and the CORE-M6's ergonomics allow immediate responsiveness, whatever the conditions.

Whether used on construction sites, or at a noisy event, the CORE-M6 **allows you to stay reachable, hear, alert, or react** in the most demanding conditions. Its 2W front speaker delivers Sound at 102.5 dB SPL, **up to three times more powerful than a standard smartphone**, and equivalent to a professional walkie-talkie.

Its microphones are supported by one of the **best ambient noise reductions on the market**, boosted by artificial intelligence⁹. Result: intelligible communications, even next to a jackhammer or in the middle of a sold-out stadium. The CORE-M6 goes further by integrating physical buttons, **usable even with thick gloves** or in the rain, for maximum efficiency.

It's the obvious choice for those who operate, **or coordinate in the field, not behind a desk.**

3 PROGRAMMABLE BUTTONS



AUDIO BOOSTED BY AI⁹

Noise reduction by AI - 60dB



WHAT MAKES THE DIFFERENCE

- **2W front speaker – 102.5 dB SPL** 3× more powerful than average
- **AI noise reduction up to -60 dB**, no latency, compatible with all apps
- **Usable with gloves up to 2 mm** (Glove Touch mode) and in the rain (Wet Touch)
- **3 dedicated physical buttons** (PTT, SOS, AI), highly visible and usable with gloves
- **PTT button press surface** 7× larger than a standard smartphone
- **Perfect replacement for a walkie-talkie**, compatible with all PTT solutions on the market

CORE-M6

ENDURANCE DESIGNED TO LAST



Designed to support long and unpredictable days, the CORE-M6 remains autonomous, even in extreme conditions. You stay operational without interruption or charging constraints. Reliable longevity, designed to keep up with your daily pace.

With the CORE-M6, autonomy no longer depends on external conditions. Thanks to its optimised 4950 mAh Battery and its "PowerControl" architecture, it offers up to **80h 19min of battery life⁽¹⁰⁾**, with stable performance, even at -20°C or +60°C. Where most smartphones shut down, it keeps working and even communicating.

Its secret: intelligent energy management, the right choice of components, controlled thermal architecture, and exclusive algorithms integrated into its system. Result: reliable autonomy from the very first use... and maintained over time. Unlike others, the battery of the CORE-M6 **remains efficient after 5 years** of use and benefits from a manufacturer warranty¹.

And for even more flexibility: **fast charging via USB-C**, **ultra-efficient wireless charging with X-LINK3**, and even a **power bank function** to recharge your connected watch or your earphones.



WHAT MAKES THE DIFFERENCE

- **80h 19min of battery life⁽¹⁰⁾** (+40% vs. market average)
- **Up to 14h of GPS navigation at -20°C**, without interruption
- **PowerControl**: optimised hardware/software architecture against energy leaks
- **Smart Battery (BMS)**: extended lifespan, long charging protection, 80% capacity after 5 years
- **X-Link3**: stainless wireless charging, 98% efficient.
- **Power Bank mode**: fast charging of your accessories, even on the go

CORE-M6

FLUID AND INTELLIGENT...TODAY AND FOR A LONG TIME

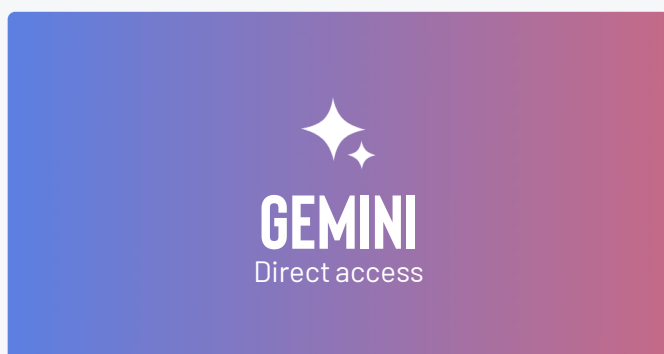


Fast, smooth, and always up to date, the CORE-M6 adapts to your professional uses without slowing down. It performs multiple tasks simultaneously, stays connected on the move, and simplifies your daily life with smart features accessible in a single step. A tool you can rely on, today and tomorrow.

Twice as powerful as its predecessor, the CORE-M6 is also optimised for multitasking as well as AI. Result: instant responsiveness, even with large files, in video conferencing, or in extended GPS mode.

Thanks to its compatibility with 5G, eSIM, NFC, and its WiFi with fast roaming, it offers reliable and continuous connectivity, even in dense or mobile environments. But beyond raw performance, it's the intelligent integration of AI

that changes the experience. Voice commands, visual translations, voice reminder creation, **AI assistant always accessible via a dedicated button**: the CORE-M6 helps you save time, avoid mistakes, and stay focused on what matters, even on the move. Designed to last, it will be maintained up to Android 20 and the end of 2032². A rare warranty, confirming its professional as well as personal purpose.



WHAT MAKES THE DIFFERENCE

- **x2 faster than a Core-M5/X5**
8-core processor built on 4 nm
- **Full connectivity**: 5G NR, eSIM, NFC certified EMVCo L1
- **Ultra-smooth WiFi-Cellular roaming**, including in warehouses or on the move
- **Software maintenance guaranteed up to Android 20 / end of 2032²**
- **Gemini AI Assistant⁴ accessible via dedicated button** (voice commands, translation, reminder...).
- **Fused AI Accelerator, Dual Core AI Processor**
Embedded AI, voice/image/context processed locally, optimised consumption

CORE-M6

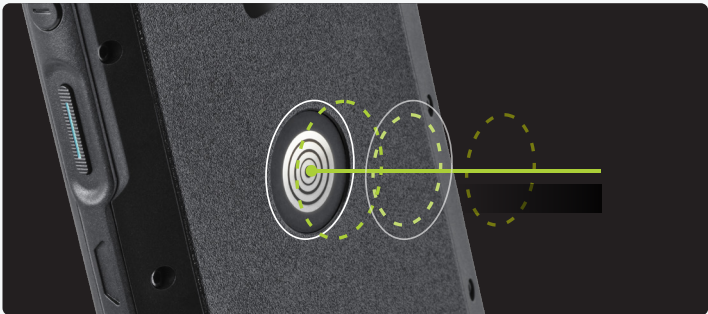
WALKIE-TALKIE, SCANNER, PAYMENT TERMINAL OR COMPUTER...



A single device to manage all your tasks. Whether you need to communicate, scan, take payments, or work on a large screen, the CORE-M6 adapts to your job and your environment. Fewer devices to carry means more efficiency at every moment.

The CORE-M6 goes far beyond the standard smartphone. Thanks to its integration into the Crosscall ECOSYSTEM and its native Compatibility with complete solutions, it becomes a true **multifunction tool** able to adapt to all professions and all tasks. On the move, at the point of sale, on a secure site or during interventions, it can be used **hands-free**, worn on a harness, belt, or forearm, and adapts to your environment without ever slowing you down.

Barcode scanner, payment terminal, desktop interface or professional radio solution: every use is optimised. And thanks to X-LINK³ technology, it recharges in a single step, whether at the office, in a vehicle, or in the field.



WHAT MAKES THE DIFFERENCE

Quick attachment + wireless charging with its stainless connector

- **Transformable into:** walkie-talkie, computer, scanner, payment terminal
- **Custom carrying:** belt, chest, arm, tactical harness
- **Compatibility X-Link³/X-Blocker:** quick attachment + wireless charging
- **Optimised ergonomics:** instant accessibility, multiple orientations, secure attachment
- **Secure NFC payment & checkout** (EMVCo L1, STMicroelectronics chip)
- **X-SPACE⁹ computer mode:** a single terminal for all tasks



CORE-M6

COST EFFECTIVE IN THE LONG TERM



Designed to last and easy to maintain, the CORE-M6 limits replacements and downtime. Its toughness, repairability, and 5-year warranty, battery included¹, make it a safe investment that protects your teams as well as your budget over the long term.

The CORE-M6 is much more than a high-performance device: it's a concentration of engineering designed to last. Its manufacturing quality, resulting from rigorous industrial processes (automated assembly, multi-lab testing, certified components), guarantees a reliable product from the very first use... and after years of operation.

Everything is designed down to the smallest detail, including the design of the buttons, adapted for intensive use with gloves, tested against accidental presses, individually waterproofed and calibrated for flawless ergonomics. Its structure is fully can be taken apart with standard tools, to facilitate maintenance and repairability.

Result: fewer replacements, fewer interruptions, more control. And with a **5-year manufacturer warranty, battery included¹**, the CORE-M6 is as cost-effective choice a choice as it is a sustainable commitment.



WHAT MAKES THE DIFFERENCE

- **High-precision manufacturing**, tested and validated by independent laboratories
- **Advanced ergonomic design**, including for use with gloves
- **Removable structure**, standard screws and easy access to components
- **Eco-design**: inherently durable, energy class A
- **5-year warranty, Battery included¹** + software support until the end of 2032²
- **Optimised TCO**: fewer breakdowns, fewer replacements, more value

CORE-M6

TTM: October 2025

Version 2 – July 29, 2025

 CROSSCALL

5YEAR

Manufacturer's warranty, battery included*

OUTDOOR FEATURES	
IP Standard	IP68, IP69K
Saltwater resistance	IPX8 (2m / 30mins)
Dust resistance	IP6X (total)
Operating temperature	-20°C/ +60°C and up to -30°C and +70°C, powered by a USB-C cable (battery-free mode)
Resistance	Drop test (40 drops from 2m onto concrete, 300 drops from 1.2m onto concrete)
Military standard	MIL-STD 810H

TECHNICAL FEATURES	
Dimensions	172.8 x 81.5 x 13.9 mm
Weight	260g
Color	Black
Operating system	Android™ ¹
OS version at launch of the product	Android™ ¹ 15
Planned OS upgrade ² :	Android™ ¹ 16, Android™ ¹ 17, Android™ ¹ 18 & Android™ ¹ 20
Zero Touch / AER	Yes / Yes
Processor	Qualcomm Dragonwing™ QCM4490
Type	Octa Core: 2 x A78@2.4GHz + 6 x A55@2GHz
DAS Head / Body ⁵	0.962 W/kg and 0.884 W/kg
DAS Limbs ⁵	1,652 W/kg
Languages	German, English, Arabic, Chinese, Croatian, Danish, Spanish, Estonian, Finnish, French, Hungarian, Italian, Latvian, Lithuanian, Dutch, Norwegian, Polish, Portuguese, Serbian, Slovak, Slovenian, Swedish, Czech

DISPLAY	
Size	5.99"
Type	IPS
Protection	Customised Corning Gorilla Glass (0.8 mm)
IK Standard	IK05
Touchscreen	Capacitive screen, Wet & Glove touch (up to 2 mm)
Resolution	576 x 1152 pixels
Brightness	450 cd/m ² , 550 cd/m ² in boost mode

BATTERY	
Type	Lithium Polymer
Capacity	4950 mAh
Battery life in communication (4G)	up to 34 hours
Standby battery life (4G)	up to 24 days
Battery life in GPS ⁸	17h at room temperature (+20°C) 14h54min in extreme cold (-20°C)
Reverse charging	Yes, via USB type-C port

VIDEO	
Resolution	1080p 60fps
Supported formats	3GPP, MP4

NETWORK & CONNECTIVITY	
SIM	2 slots: 2 nano-SIM or 1 nano-SIM + 1 microSD
Type	Nano SIM + eSIM
2G (GPRS/EDGE)	850/900/1800/1900 MHz
3G (HSPA+)	850/900/1700/1900/2100 MHz
4G	LTE-FDD: B1(2100MHz) / B2(1900MHz) / B3(1800MHz) / B5(850MHz) / B7(2600MHz) / B8(900MHz) / B20(800MHz) / B28 fullband (700MHz) / B32(1500MHz) CA down only + LTE-TDD: B38(2600MHz) / B42(3500MHz) / B43(3700MHz)
5G	NR-TDD: n38(2600MHz) / n41(2500MHz) / n77(3700MHz) / n78(3500MHz) + NR-FDD: n1(2100MHz) / n3(1800MHz) / n5(850MHz) / n7(2600MHz) / n8(900MHz) / n20(800MHz) / n28(700MHz)

VoNR / VoLTE / VoWi-Fi	Compatibility ⁷
Wi-Fi	802.11a; 802.11b; 802.11g; 802.11n; 802.11ac; 802.11r; 802.11k; 802.11v; 2.4 GHz + 5 GHz
Bluetooth®	5.0
NFC	Yes, payment function
USB	Type C 2.0
OTG	Yes
X-LINK ³	Yes, USB 2.0

MEMORY	
RAM	6 GB
Flash	128 GB
PHOTO	
Rear camera	48 MP
PDAF Autofocus	Yes
Front camera	8 MP
Flash	LED
Supported formats	JPEG, PNG, BMP

AUDIO	
Audio connector	USB-C
Supported formats	AMR, MIDI, MP3, WAV, AAC, 3GP
Microphone	2 waterproof microphones, GORE membranes
Critical Mission KPI Compliance	Yes
Speaker position	Front side: oriented towards the user
Loudspeaker power	102.5 dBA SPL, nominal power: 2W, max power: 2.5W
Audio technologies	AI noise reduction (up to -60 dB), anti-feedback

PROGRAMMABLE BUTTON	
Customisable multifunction buttons	Yes, 3
Button resistance	up to 700,000 presses
Accidental press protection	Yes

LOCATION	
GPS	Yes
Type	GPS, A-GPS, Glonass, Beidou, Galileo

FEATURES	
Play Store™	Yes
Google Service ⁴	Yes
Hands-free	Yes
Alarm	Yes
Voice recorder	Yes
Flashlight	Yes
QR code reader	Yes
Parental control	Yes
SOS function	Yes
X-SPACE ⁹	Yes, wired or wireless Wired mode available with a DisplayLink certified hub
Noise reduction	Yes ⁸
Touchscreen lock	Yes
Speaker cleaning function	Yes, Drymax

SENSORS	
Fall detection	Yes, sensors optimised for PTI/DATI solutions
Accelerometer / G-Sensor	Yes
Proximity sensor	Yes
Light sensor	Yes
Gyroscope	Yes
Magnetometer / E-Compass	Yes

DEVICE MANAGEMENT / SECURITY & COMPLIANCE	
AER compliance	Yes
MDM compatibility	Yes
OEM Config	Yes, access to advanced APIs and to exclusive Crosscall settings
EMVCo	Yes

PACKAGING	
Box dimensions	180 x 101 x 45 mm
Weight (empty box)	75g
Weight (box with products)	360g
Materials	100% recycled and recyclable
Box contents	Smartphone, X-Blocker, USB-C/C cable, SIM ejector, manual, energy label

LOGISTICS	
Product reference	1001013701344
EAN code	3700764738344
Carton dimensions	335 x 189 x 240 mm
Number of products/carton	10
Carton weight	Approximately 5.5 kg
Pallet dimensions	1200 x 800 x 1590 mm
Layers	6
Number of products/pallet	840
Pallet weight	455,3 Kg
Customs nomenclature	8517130000

1 Your phone is covered by warranty under normal conditions of use, in accordance with our general terms and conditions of sale and the commercial warranty agreement available on the CROSSCALL website under the heading > Support > Warranty. During the warranty period, CROSSCALL will replace the defective battery if the following two conditions are met: the battery capacity is less than or equal to 70% and the number of full charge cycles is less than or equal to 850. CROSSCALL's recommended best practices for battery use are available on the CROSSCALL website in the section > About > News > Blog. **2** Security patch updates for 5 years from the product's release date. For the CORE-M6, updates are guaranteed until December 2032, with 4 upgrades to Android 20, subject to compatibility with future versions of Android. Information on OS upgrades and security updates is available on the Crosscall Security page on the Crosscall website in the section > Support > Security Updates. **3** SPS Inc. Technology **4** Google, Android, and Gemini are registered trademarks of Google LLC. **5** The local specific absorption rate (SAR) quantifies the user's exposure to electromagnetic waves from the equipment in question. The maximum permitted SAR is 2 W/kg for the head and trunk and 4 W/kg for the limbs. The use of a listening device that limits the head's exposure to radio waves emitted by the mobile phone is recommended. **6** GPS + DATA + GOOGLE mapping enabled. **7** Check with your operator. **8** AI-based noise reduction technology Fraunhofer upHear available on VoIP apps and audio and video recordings. **9** Wired mode available with a DisplayLink-certified hub. **10** Battery life under standard use according to the protocol defined by EU Regulation 2023/1669.

In accordance with Article L.111-3 of the Consumer Code, the period of availability of spare parts essential for the use of new products is ten (10) years from the date the product is no longer marketed. Your phone and its accessories included in the box are covered against any defect or malfunction that may arise due to their design, manufacturing, or hardware failure, under normal conditions of use, and according to our general terms of sale and the applicable commercial warranty contract available on the CROSSCALL website under > Support > Warranty.