

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 multiple devices while reducing costs and downtime.

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



It offers up to **2 days of real battery life**, even at -20°C, thanks to its intelligent energy management. A true all-in-one tool, it can be used as a walkie-talkie, computer, scanner, and even a payment terminal. And above all, it comes with a **5-year warranty**¹, including the battery, maintained until 2032², and is designed to be easily repaired. The CORE-M6 is more than just a rugged smartphone: it is a complete, durable, and cost-effective solution.

CORE-M6 is the smartphone that :

1 Finally, stand up to your daily routine The most durable in its class⁸ for a smartphone that remains functional even after drops, immersion, or pressurised liquid splashes.	2 Allows you to make calls in all your environments Optimal audio clarity for clear and effective communication, even in noisy environments.	3 Always has battery power, even at the end of your day Extended battery life to stay available throughout the day, without the need to recharge, even at very low temperatures.	4 Saves you money over time A smartphone designed to last, with a 5-year warranty¹, including the battery, long-term maintenance, and high-quality design for increased reliability.
5 Makes you more efficient Ergonomics designed for the field and smooth performance to execute your daily tasks without latency.	6 Concentrate all your missions in a single terminal A single terminal for everything: communicating, scanning, paying, working, and thus reducing costs and complexity.	7 Optimise your network connection, even with 5G Consistently reliable connectivity to remain accessible, responsive, and operational, even in the most challenging environments.	

CORE-M6

TRULY RESISTANT TO ANY TEST



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

All 'rugged' phones promise to withstand impact. The CORE-M6 proves it. It has been designed to withstand repeated drops onto hard surfaces **commonly encountered in the field**: concrete, gravel, and steel. Tested 300 times on concrete and 1,000 times in a drop drum, it far exceeds standard military specifications.

Its exclusive **X-TremeShield** structure combines a screw-on case that remains waterproof even after impact, a magnesium plate for rigidity, and a screen protected by glass that is 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. The result: a device that stands up **where others fail**.



WHAT MAKES THE DIFFERENCE

- **300 drops onto concrete**
(vs. only 26 for the MIL-STD 810H military standard)
- **0.8 mm reinforced glass screen**
+ protective notch for X-Glass
- **Screw-on case (14 screws + threadlocker):**
remains waterproof after shocks
- **Internal magnesium structure:**
absorbs torsion and bending
- **Co-injected TPU corners**
to dissipate shock waves
- **GORE® audio membranes:**
sound intact, water stopped

CORE-M6

DESIGNED TO COMMUNICATE ANYWHERE



Even in the noisiest environments, you will be able to speak with your callers. The sound remains clear, communication is effective, and the ergonomics of the CORE-M6 allow for immediate responsiveness, whatever the conditions.

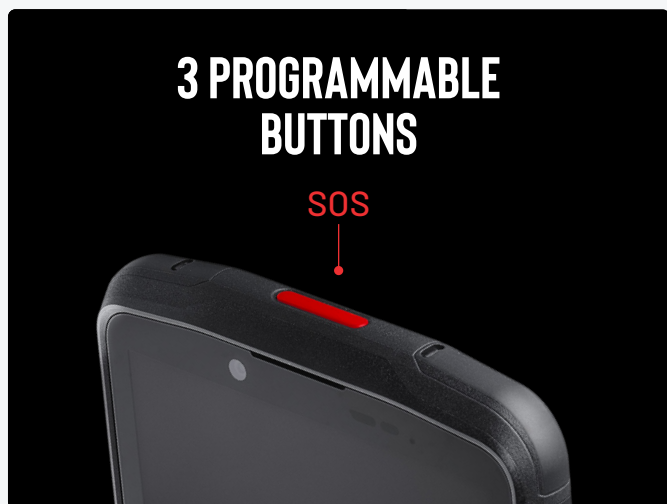
Whether used during an emergency response, on a construction site, or at a noisy event, the CORE-M6 allows you to **stay connected, hear, alert, or react** in the most challenging conditions. Its 2W front speaker delivers a sound volume of 102.5 dB SPL, up to **three times more powerful than a conventional** smartphone and equivalent to that of a professional walkie-talkie.

Its microphones are supported by one of the **best ambient noise reduction systems on the market**, boosted by artificial intelligence[®]. The result: clear communications, even next to a jackhammer or in the middle of a sold-out stadium. The CORE-M6 goes even further by incorporating physical action buttons that can be used even **with thick gloves** or in the rain, for maximum efficiency.

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

3 PROGRAMMABLE BUTTONS

SOS



PTT



IA



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
- **Can be used with gloves up to 2 mm thick**
(Glove Touch mode) and in the rain (Wet-Touch)
- **3 dedicated physical buttons**
(PTT, SOS, AI), ultra-visible and usable
with gloves
- **PTT button surface area 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 accompany you through long and unpredictable days, the CORE-M6 remains autonomous, even in extreme conditions. You remain operational without interruption or recharging constraints. Reliable longevity, designed to keep pace with your days.

With the CORE-M6, battery life no longer depends on external conditions. Thanks to its optimised 4950 mAh battery and 'PowerControl' architecture, it offers up to **2 days and 5 hours of real battery life**, with stable performance even at -20°C or +60°C. Where most smartphones shut down, it continues to operate and even communicate.

Its secret lies in intelligent energy management, the right choice of components, controlled thermal architecture and exclusive algorithms integrated into its system. The result: reliable battery life from the first use... and maintained over time. Unlike others, the CORE-M6's battery remains **powerful after 5 years** of use and comes with a manufacturer's warranty¹.

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



WHAT MAKES THE DIFFERENCE

- **Up to 2 days and 5 hours of real battery life** (+40% vs. market average)
- **Up to 14 hours of GPS navigation at -20°C**, without interruption
- **PowerControl:** hardware/software architecture optimised against energy leakage
- **Intelligent battery (BMS):** extended life, long charge protection, 80% capacity after 5 years
- **X-LINK³ : stainless wireless charging**, 98% efficient.
- **Power Bank mode:** fast

CORE-M6

SMOOTH AND INTELLIGENT... TODAY AND FOR A LONG TIME TO COME



Fast, smooth, and always up to date, the CORE-M6 adapts to your professional needs without slowing down. It performs multiple tasks simultaneously, stays connected on the go, and simplifies your daily life with innovative features accessible at the touch of a button. A reliable tool, today and for years to come.

Twice as powerful as its predecessor, the CORE-M6 is also optimised for multitasking and AI. The result: instant responsiveness, even with large files, during video conferences or in extended GPS mode.

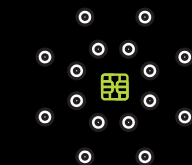
With 5G, eSIM, NFC, and fast roaming WiFi compatibility, it offers reliable, continuous connectivity, even in dense or mobile environments. But beyond raw performance, **it's the intelligent integration of AI that** changes the experience.

Voice commands, visual translations, voice-activated reminders, and an AI assistant that is always accessible via a dedicated button: the CORE-M6 saves time, prevents errors, and allows you to stay focused on what matters, even when on the move.

Designed to last, it will be supported up to Android 20 and the end of 2032². A rare guarantee that confirms its suitability for both professional and personal use.

5G/5G^{SA}

WI-FI 5



ESIM / NFC
dual SIM

AI-ENHANCED AUDIO⁹

AI noise reduction - 60dB



WHAT MAKES THE DIFFERENCE

- **2x faster than a Core-M5/X5**
8-core processor engraved in 4 nm
- **Full connectivity:**
5G NR, eSIM, EMVCo L1 certified NFC
- **Ultra-smooth WiFi-Cellular roaming,**
including in warehouses or on the move
- **Software maintenance guaranteed until
Android 20 / end of 2032²**
- **Gemini⁴ AI assistant accessible via a dedicated
button** (voice commands, translation, reminders,
etc.).
- **Fused AI Accelerator, Dual Core AI Processor**
Embedded AI, voice/image/context processed
locally, optimised consumption

CORE-M6

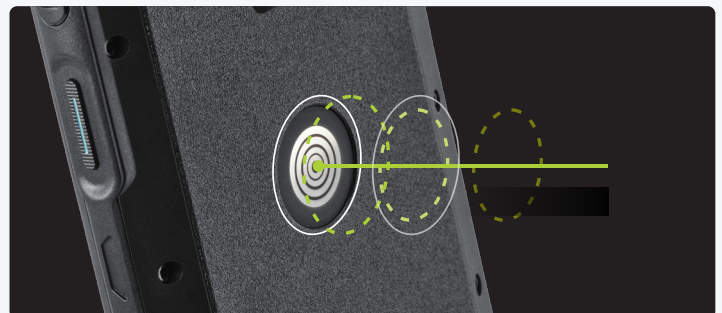
WALKIE-TALKIE, SCANNER, PAYMENT TERMINAL, OR COMPUTER...



One 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 business and your environment. Less equipment to carry means greater efficiency at all times.

The CORE-M6 goes far beyond the classic smartphone. Thanks to its integration into the Crosscall ecosystem and its native compatibility with comprehensive solutions, it becomes a **truly multifunctional tool** capable of adapting to all professions and tasks. Whether you're on the move, at a point of sale, on a secure site, or on call, 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 can be recharged in a single step, whether in the office, in a vehicle, or the field.



WHAT MAKES THE DIFFERENCE

**Quick attachment + wireless charging
with stainless steel connector**

- **Convertible into:**
walkie-talkie, computer, scanner, payment terminal
- **Customised carrying options:**
belt, chest, arm, tactical harness
- **X-LINK³/X-Blocker compatibility:**
quick attachment + wireless charging
- **Optimised ergonomics:**
instant accessibility, multiple orientations, secure attachment
- **Secure NFC payment & collection**
(EMVCo L1, STMicroelectronics chip)
- **X-SPACE computer mode:**
a single terminal for all tasks



CORE-M6

PROFITABLE IN THE LONG TERM



Designed to last and easy to maintain, the CORE-M6 minimises replacements and downtime. Its robustness, repairability, and 5-year warranty, including the battery¹, make it a safe investment that protects your teams and your budget in the long term.

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

Every detail has been carefully considered, right down to the design of the buttons, which are suitable for intensive use with gloves, tested against accidental presses, individually sealed, and calibrated for flawless ergonomics. Its structure can be dismantled entirely using standard tools, facilitating maintenance and repair.

The result: fewer replacements, fewer interruptions, more control. And with a **5-year manufacturer's warranty**, including the battery¹, the CORE-M6 is both a cost-effective choice and 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:** sustainable by nature, 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 – 29 July 2025

CROSSCALL

5YEAR

Manufacturer's warranty, battery included¹

OUTDOOR FEATURES	
IP standard	IP68, IP69K
Saltwater resistance	IPX8 (2m / 30mins)
Dustproof	IP6X (totale)
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, 300 drops from 1.2m) on to concrete
Military standard	MIL-STD 810H

TECHNICAL SPECIFICATIONS	
Dimensions	172.8 x 81.5 x 13.9 mm
Weight	260g
Color	Noir
Operating system	Android™⁴
OS version at product release	Android™⁴ 15
OS² upgrade scheduled:	Android™⁴ 16, Android™⁴ 17, Android™⁴ 18 & Android™⁴ 20
Zero Touch / AER	Oui / Oui
Processor	Qualcomm Dragonwing™ QCM4490
Type	Octa Core: 2 x A78@2,4GHz + 6 x A55@2GHz
DAS Head/Body⁵	TBD
DAS Members⁵	TBD
Languages	German, English, Arabic, Chinese, Croatian, Danish, Spanish, Estonian, Finnish, French, Hungarian, Italian, Latvian, Lithuanian, Dutch, Norwegian, Polish, Portuguese, Serbian, Slovak, Slovenian, Swedish, Czech

SCREEN	
Size	5,99"
Type	IPS
Protection	Custom Corning Gorilla Glass (0.8 mm)
IK standard	IK05
Tactile	Capacitive touches creen, works even when wet or with gloves (up to 2 mm)
Resolution	576 x 1152 pixels
Brightness	450 cd/m², 550 cd/m² in boost mode

BATTERY	
Type	Lithium Polymer
Capacity	4950 mAh
Autonomy in communication (4G)	up to 34 hours
Standby time (4G)	up to 24 days
GPS battery life⁶	17 hours at room temperature (+20°C) 14 hours 54 minutes in extreme cold (-20°C)
Reverse charge	Yes, via USB Type-C port

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

NETWORK & CONNECTIVITY	
SIM	2 slots: 2 nano-SIMs 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) / n40(2300MHz) / 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	Compatible⁷
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-LINK³	Yes, USB 2.0

MEMORY	
RAM	6 Go
Flash	128 Go
PHOTO	
Rear camera	48 Mpx
PDAF autofocus	Yes
Front camera	8 Mpx
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
Mission Critical KPI Compliance	Yes
Speaker position	Front panel: user-facing
Speaker power	102.5 dBA SPL, rated 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 supports
Unintentional support protection	Yes

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

FEATURES	
Play store™	Yes
Service Google⁴	Yes
Free hand	Yes
Alarm clock	Yes
Tape recorder	Yes
Flashlight	Yes
QR code reader	Yes
Parental control	Yes
SOS function	Yes
X-SPACE	Yes, wired or wireless Wired mode available with a DisplayLink-certified hub
Noise reduction	Yes⁸
Touchscreen lock	Yes
Speaker cleaning function	Yes, Drymax

SENSORS	
Fall detection	Yes, sensors optimised for PTI/DAT solutions¹
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 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, user manual, energy label

LOGISTICS	
Product reference	1001013701344
EAN code	3700764738344
Cardboard dimensions	335 x 189 x 240 mm
Number of products/box	10
Cardboard weight	Approximately 5,5 kg
Pallet dimensions	1200 x 800 x 1476 mm
Layers	6
Number of products/pallet	900
Pallet weight	Approximately 475 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 under > About > News > Blog. **2** Security patch updates for 5 years from the product's launch 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 under > 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** Fraunhofer upHear AI-based noise reduction technology. Pursuant to Article L.111-3 of the French Consumer Code, spare parts essential for the use of new products shall be available for ten (10) years from the date on which the product is no longer marketed. Your phone and its accessories included in the box are guaranteed against any defect or malfunction that may arise due to their design or manufacture or a hardware failure, under normal conditions of use, and in accordance with our general terms and conditions of sale and the applicable commercial warranty contract available on the CROSSCALL website under the heading > Support > Warranty.

TBD: To Be Defined.