

REVOLUTIONARY

C-One
Collection
2014



COPPERNIC
créateurs en solutions mobiles



TRANSPORT

INDUSTRIE

BIOMÉTRIE

MOBILITÉ

To design and deliver professional mobile solutions
is more to us than just a job.

It is our mission and our passion.



Creating Mobile Solutions is the byline we chose over five years ago to express this mission. And now we are delighted to fulfil our vision with the launch of the flagship product of our **New PDA Collection 2014: the C-One.**

Copernic has, up until now, primarily concentrated on customising other manufacturers' standard devices by designing add-ons of all types: endcaps on the top, snap-ons on the bottom, 'back-packs' on the back and so on. We found this to be the optimum means of seamlessly integrating the numerous high-end wireless-communication and data-capture components which are **essential to our customers in maximising the efficiency and productivity** of their field workers.

And now the C-One is the tangible result of this five years of technological development. From the earliest design phases we set ourselves a high bar as we undertook to deliver a unique, **professional-level PDA** which would offer:

- Standard technical features which equal or **better the best** that the market has to offer,
- **A unique capability** to integrate easily, and without any changes to dimensions or appearance, components such as readers, sensors, couplers, modems and so on and/or specific connectors required for the varying activities of our customers.



The C-One 2014 **PDA** 100% Coppernic

We are, today, **extremely proud to present** this refined and elegant product which offers the world of professional mobile computing **a unique package of performance**, power, ergonomics, ruggedness and expandability.

Kevin Lecuivre, Managing Director of Coppernic.



« THE C-ONE IS A PROFESSIONAL, HIGH-PERFORMANCE PDA DESIGNED TO LOOK LIKE SMARTPHONES AND TABLETS DESTINED FOR THE CONSUMER MARKET BUT WHICH ADDITIONALLY INTEGRATES ALL OF THE TECHNOLOGICAL COMPONENTS REQUIRED FOR OUR CLIENTS' DIVERSE BUSINESS NEEDS. »

These can include, for example: comparing fingerprints with those stored digitally in biometric passports; issuing electronic citations, reading utility meters; inspecting mass-transit tickets monitoring livestock traceability and so on. All are very different field activities which can only be optimised by delivering to each individual operator a « mobile companion » that addresses their specific requirements... in just one machine... **the C-One!**

C-one

**PERFECTLY ADAPTED TO TODAY'S NEEDS
AND READILY ADAPTABLE TO TOMORROW AND BEYOND FOR SECTORS SUCH AS:**

- PUBLIC TRANSPORT
- METER-READING
- ELECTRONIC CITATION
- CONTROL AND AUTHENTICATION OF SECURE IDENTITY DOCUMENTS
- LIVESTOCK TRACEABILITY
- AND MANY OTHERS AS YET TO BE REALISED...



→ POWER, PERFORMANCE AND STRENGTH FOR HIGH-DEMAND USE IN THE FIELD.

The C-One is equipped with a Qualcomm Snapdragon 1.5GHz dual-core processor offering outstanding memory capacity.

It provides the user with **all of the latest innovations in wireless** communications technologies: WiFi 802.11 a / b / g / n, Bluetooth® 4.0, GSM/GPRS/EDGE/UMTS/4G LTE, GPS.

It stands out from consumer products through its unflinchingly **rugged construction**. Built to International Standard IP65, it will withstand multiple falls of 1.50 m on to concrete and remain fully operational within a temperature range of -20°C to +60°C.

A 3450 mAh battery enables stand-alone usage of up to, or greater than, 10 hours working-time thanks to our dedicated power-management.

→ ERGONOMICS AND STYLE.

In the hands of the operator the C-One not only works perfectly but also looks great conveying, for the user-organisation, **an image of quality, professionalism and care**. It is for this reason that we paid particular attention during the development of the C-One to optimise not only its weight, size and ease-of-use but, importantly, to fully enhance its striking good looks.

A **4.5" high-resolution colour touch-screen** ensures the operator ease-of-use, even in bright sunlight.

It can be used with either a stylus or by finger-touch.

Peripherals such as vibrator, microphone and loud-speaker facilitate intuitive use.

From the beginning, Coppernic opted for the Android OS. Portable, flexible and adopted by the great majority of smartphone users – who tend to be demanding and who appreciate its instinctive, speedy and straightforward interface – the **Android** operating system will enable our partners to continue **to develop dedicated top-quality software applications**.



→ A UNIQUE CAPACITY TO ADD FUNCTIONS WHICH MAKE ALL THE DIFFERENCE.

Our 'magic box' has been perfectly crafted to integrate, **without altering its dimensions or appearance**, all RFID readers and antennae operating across the different families of frequencies in the market sectors that we target.

The C-One can host, equally readily, biometric readers (fingerprint and iris), smart card readers and OCR (Optical Character Recognition) from all of the leading suppliers.

But this of course isn't the definitive list and we are, even now, engaged in designing and **integrating new modules**, developed by ourselves at Coppernic or via our partners, to meet the needs and challenges that the world of tomorrow already demands today.

PHYSICAL CHARACTERISTICS

DIMENSIONS	5.9" x 3.15" x 1.18" (L x l x P)
WEIGHT	Less than 12 oz. (340 grams) including battery
COLOR SCREEN	Display : 4,5" WVGA High resolution (720 x 1280) – Portrait or landscape – Capacitive color touchscreen – DMSR (Dual Mode Sunlight Readable) – Can be used with either a stylus or by finger-touch. Very readable, even in bright sunlight.
CAMERA	8 MPixels autofocus with flash
EXTENSION AND COMMUNICATION PORTS	Micro-SD slot – Mini-USB and LIF connectors. Direct Ethernet connection via a USB/Ethernet adaptor or via the Ethernet interface of the docking station.
BATTERY	Lithium Ion 3,7V-3450 mAh enables stand-alone usage of up to, or greater than 10 hours working-time thanks to our dedicated power-management system. 4 different charging methods: <ul style="list-style-type: none"> • Standard power supply or cigarette lighter, • Docking Station, • Wireless charger model Qi, • Snap-on connected spare battery 5200 mAh.

PERFORMANCE CHARACTERISTICS

CPU	Qualcomm Snapdragon MSM 8960 – Dual Core Krait @ 1,5 GHz
MEMORY	1 GB RAM, 8 GB Flash up to 32 GB via the Micro-SD slot (standard product is delivered with a 4 GB Micro-SD SDHC card)
OPERATING SYSTEM	Android 4.2.2 (Jelly Bean) with API 17. Our SDK's are compatible with Eclipse and Android Studio EDI's.

USER ENVIRONMENT

IP SEALING	IP 65 (IEC 60529)
TEMPERATURES	Operating from -20°C to +60°C – Storage from -40°C to +60°C
DROP SPECIFICATION	1.5 m (5 ft.) - 26 drops to polished concrete.

WIRELESS COMMUNICATIONS

BLUETOOTH®	4.0 – Class 2 EDR
WLAN RADIO	WiFi (2,4 GHz - 5 GHz) - 802.11 a/b/g/n
WLAN RADIO	GSM/GPRS/EDGE (900/1800 MHz) – 3G/UMTS (900/1800/2100 MHz) 4G LTE 800/900/1800/2600 MHz – Dual SIM cards (option) GPS with internal antenna – (less than 5 meters accuracy)

RFID MODULES OPTIONS (integrated, tested and approved)

LF	125 KHz & 134,2 KHz – HID – ISO 11784 / 11785 18000-2
LF	134,2 KHz – AGRIDENT – ISO 11784 / 11785
HF	13,56 MHz – ASK – ISO 14443 A/B/B' – Felica® – ISO18092 (NFC) compatible Mifare® and Calypso V3 – Supports up to 2 SAM's
HF	13,56 MHz – HID – ISO 14443 A/B –15693 – I-Code® – Mifare® – NFC – 2 SAM's
PASSIVE UHF	868 MHz (500mW) – CAEN RFID – ISO 18000-6C – EPC CLASS I GEN 2

BARCODE READER

IMAGER	Imager 2D Opticon MDI3100-SR
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Conception Graphique : Atelier de Signes - Photographies : Olivier Maynard