

SMARTPEAK



Industrial collector SMARTPEAK C500SP-2D-SE4500 Android v.3

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	SMARTPEAK
<b>Operating System:</b>	Android 4.1 Android 5.1( <b>option</b> )
<b>Display:</b>	3.7 ", capacitive, multi touch, WVGA (480x800), IPS, Corning Gorilla Glass, Sunlight readable
<b>Brightness:</b>	350nits
<b>Processor:</b>	Qualcomm MSM8625Q quad-core 1.2GHz
<b>Memory:</b>	1GB
<b>Hard Drive:</b>	4GB
<b>Touch screen:</b>	Tak
<b>Durability:</b>	IP65
<b>Drop:</b>	1.2 meter
<b>Shock:</b>	-----
<b>Vibration:</b>	-----
<b>Temperature:</b>	Operating temperature: -20°C -- +60°C Storage temperature: -40°C -- +80°C

<b>Humidity:</b>	0 to 95%(no condensation)
<b>1D barcode scanner (reader):</b>	-----
<b>2D barcode scanner (reader):</b>	2D CMOS - Motorola SE4500
<b>RFID scanner (reader):</b>	<b>NFC (13.56Mhz)</b> ISO14443 A/BISO15693
<b>Other:</b>	<b>Factory accessories:</b> - charger - hand strap <b>Sensors:</b> - triaxial gravity
<b>Battery:</b>	3.7V; 3800mAh + 150mAh Li-Ion
<b>Working time on battery:</b>	8h
<b>Fast battery replacement ability:</b>	Yes
<b>HotSwap battery:</b>	Yes
<b>LAN:</b>	No
<b>WLAN:</b>	802.11b/g/n
<b>Bluetooth:</b>	Bluetooth 4.0 + EDR
<b>WAN:</b>	4G/WCDMA/CDMA/GSM
<b>GPS:</b>	Built-in + A-GPS,
<b>Camera:</b>	Yes- 5Mpx Auto Focus
<b>In/Out:</b>	micro USB (support OTG), Mirco SD card slot (max.32GB)
<b>Optional accessories:</b>	-----
<b>Docking station connector:</b>	No
<b>VESA standard - holders and mounts support:</b>	-----
<b>COM port:</b>	-----
<b>Magnetic card reader (MSR):</b>	-----
<b>Microchip card reader:</b>	-----
<b>Contrast:</b>	-----
<b>Graphics card:</b>	-----
<b>Chipset:</b>	-----
<b>BIOS:</b>	-----
<b>Casing material:</b>	high quality plastic
<b>Flash Card Reader:</b>	microSD (max. 32GB)

<b>CD/DVD:</b>	-----
<b>Audio:</b>	Built-in Speaker : Microphone
<b>Keyboard:</b>	Numeric (+function keys) + On-Screen
<b>Additional Navigation Devices :</b>	-----
<b>Color:</b>	black
<b>Swivel Hinge:</b>	-----
<b>VGA out:</b>	No
<b>TV Out:</b>	-----
<b>TV Tuner:</b>	-----
<b>Security:</b>	-----
<b>Waterproof:</b>	IP65
<b>Sand and dust:</b>	IP65
<b>Size:</b>	165.6mm x 73mm x 34.4mm- 275g
<b>Fanless casing:</b>	Yes

**Product from the Archive - production finished**



**C500 SP**

- Quad Core** Qualcomm MSM8625Q quad core 1.2GHz
- 3.7"** 3.7" IPS Sunlight readable Gorilla Glass
- 4G LTE** 4G FDD-LTE:Band 1/3
- GPS, A-GPS**
- Battery:** 3300mah + 150mah 3.7V

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Smartpeak C500 SP has a specially designed, reinforced structure, adapted to harsh environmental conditions. Similarly, as the equipment produced for the military, meets the requirements of IP65 norm. Thanks to its structure is resistant to dust and water. The device is proper for use in the home and industry.



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Processor	Qualcomm MSM8625Q quad-core 1.2GHz
Display	3.7" (800x480) WVGA   LCD   Sunlight readable   IPS   Capacitive   Gorilla Glass
RAM	1GB
ROM	4GB
Connectors	MicroSD : Micro USB
GPS	GPS   A-GPS
Audio	Speaker : Microphone
Camera	5Mpx Auto Focus
Battery	3800 mAh + 150 mAh Li-Ion 3.7V
Keyboard	Numeric (+function keys) + On-Screen
Environment	Android 4.1 Android 5.1( <b>option</b> )
Modules (factory)	4G GSM (GPRS/EDGE) WCDMA (HSDPA) : WiFi : Bluetooth 4.0 : GPS+A-GPS
Dimensions	165.6mm x 73mm x 34.4mm, 275g New Portable Devices   NIP: 872-120-56-82   Mobile.: +48 508 235 505   e-mail: sklep@mobilator.pl Account number: ALIOR BANK SA 68 2490 0005 0000 4500 2328 8078
Resistance	IP65

1D - MOTROLA: SE955 (LASER)

1D/2D -MOTROLA SE4500 (CMOS)

Readers NFC

NFC 13.56Mhz ISO14443 A / B i ISO15693

Sensors

Triaxial gravity sensor

Refer to the "Technical Data" overlap - what possibility have subsequent versions of the devices. To gain additional information about the product click on the "Ask about the product" or go to the [contact form](#).



## Select a version for yourself

Select a version tailored to your needs. Clicking on the hardware number configurations will redirect you to the product with parameters listed below. At the customer's request can be created configurations which are not available in the offer. Detailed parameters are available in the **"Technical Data"**.

	1D (Laser)	1D (LASER)	1D/2D (CMOS)	NFC	3G	Camera
v.1	✓	-	-	✓	✓	✓
v.2	-	✓	-	✓	✓	✓
v.3	-	-	✓	✓	✓	✓

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## Barcode Scanner

Barcode Reader allows you to read, decode and transfer stored data in barcode to your computer. Thanks to dynamic scanning method and the large range of reading, data collector is capable to carefully collecting data, which helps to increase the rate and efficiency of work. Simplified installation procedure, convenient and intuitive design allow to start scanner work very easy and quickly.

1D	1D / 2D
MINDEO (Laser)	MOTOROLA: SE4500 (CMOS)
MOTOROLA: SE955 (LASER)	



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## NFC

NFC, or near-field communication, is an easy and intuitive technology that allows you to use your mobile phone for special purposes. An NFC tag can share and link to information such as web pages, social media and all other sorts of other information generally. Other areas where NFC is starting to evolve into are making payments, opening doors secured with contactless locks, logging on to computers and many more. All of these actions have something in common, that is they invoke an action based on you placing your phone (or any other NFC device) near (the N in NFC) the thing you want to read or interact with.

NFC

NFC 13.56Mhz ISO14443 A / B i ISO15693



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## Applicable standards

Operating	-20°C -- +60°C
Storage	-40°C -- +80°C
Humidity	0% - 95% RH   non-condensing
Dust	IP6x (dust)
Water	IPx5 (water)
Drop	Multiple drops to concrete 4.5ft./1.2m the entire operation range



## IP65 Resistance

IP stands for Ingress Protection and is essentially a rating system developed by the International Electrotechnical Commission or IEC. The system is now being used to classify different degrees of protection against intrusion or immersion. The IP rating is usually followed by two digits. The first indicates the level of dust-resistance, the second water resistance. Dust-resistance levels goes from 0 up to 6 while water resistance goes from 0 to 8.

No special protection	0		0	No waterproofing
Protection from solid objects greater than 50mm in diameter	1		1	Protection from dripping water
Protection from solid objects greater than 50mm in diameter	2		2	Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter	3		3	Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter	4		4	Protection from splashed water
Complete protection against contact, Protection against dust deposit	5		5	Protection from splashed water
Complete protection against contact, Protection from infiltration of dust	6		6	Protection from water projected from a nozzle



**4G**<sup>LE</sup>



When device is equipped with the WCDMA module, you need only insert a SIM card in the special slot and you are able instantly connect to the internet. Integrated software allows you to automatically detect and configure connections to mobile networks. Internal 4G module in the Smartpeak C500 SP adjusts automatically to transfer and network coverage. Built-in speaker and microphone allows you to make voice calls.

<b>WiFi</b>	802.11a b/g/n
<b>GPS</b>	GPS, supported A-GPS,
<b>Bluetooth</b>	Bluetooth 4.0 + EDR; Class II
<b>GSM/4G</b>	FDD-LTE: Band 1/3 GSM/EDGE 850/1900/900/1800 WCDMA 2100/900 CDMA 800/1900
	The ability to make voice calls



You no longer need to worry about whether you will put your device into a briefcase, backpack or travel bag, the problem disappears when you have C500 SP. The device weighs just 275g and its dimensions (165.6 x 73 x 34.4mm) allow you to take this device. Professional performance and energy efficiency makes, that C500 SP is in a group of devices which enjoy great popularity in the market in the industrial segment.



Dimensions

165.6 x 73 x 34.4mm

Weight

275g

## Quick change battery

Friendly design allows for fast replacement of the battery. This is useful when you are working in the field with difficult conditions, where there is no additional power source and the time is very important.

In addition, the use of hot-swap function known from mobile phones. Allows you to quickly connect additional battery without shutting down the operating system. So when you replace the battery will not lose valuable data.



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[specification of this version is available in the "Technical data" ...](#)