CUSTOM®

MP RANGER product information

Confidential

RUGGED AND MOBILE PRINTER

MP RANGER is a latest generation mobile printer and represents the evolution of mobile printing.
It can be connected to any mobile device, from smartphones to specialized terminals, handheld computers and tablets
with Bluetooth and Wi-Fi capabilities thanks to Wireless and NFC technology.
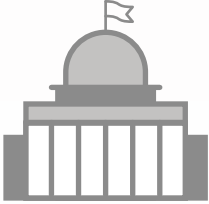

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TARGET MARKET

MP RANGER has the possibility to be integrated in a large number of environments.
As a mobile printer and thanks to wireless communications,
it meets the need to have a printer always with you.
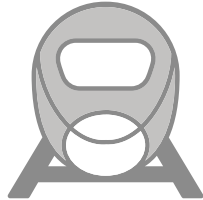
GDO
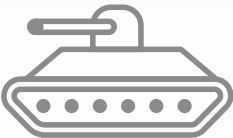
PARKING

GOVERNMENT & POSTAL

RETAIL

LOGISTIC

TICKETING ON BOARD

BENEFITS

Here's how **MP RANGER** can improve your business and make your workflow more efficient.

RUGGED
Perfect fot outdoor use

HIGH MOBILITY
Wireless printing through Wi-Fi and BT.
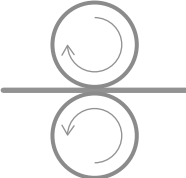Easy connection with NFC technology.

IP54 PROTECTION
completely protected against
liquids and dust

INTELLIGENT BATTERY
High autonomy
and optimized battery

FLEXIBILITY
High speed printing
on paper roll and labels.
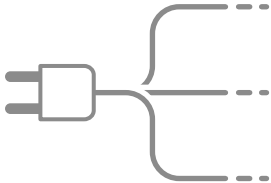
DIFFERENT CHARGING OPTIONS:
via USB, with single or
multi-position cradle

MOBILE PRINTERS LINE UP

MP RANGER
IP54 certified
2600 mAh battery
110 mm/sec printing speed
BT and WiFi connection
USB and cradle recharge
Bluetooth 4.2 BLE

MY3 X
1500 mAh battery
80 mm/sec printing speed
BT connection
USB recharge
Bluetooth 3.0

MY PRINTER X
800 mAh battery
50 mm/sec printing speed
BT connection
USB recharge
Bluetooth 3.0

MP RANGER

MY3 X

MY PRINTER X

Price/Performance

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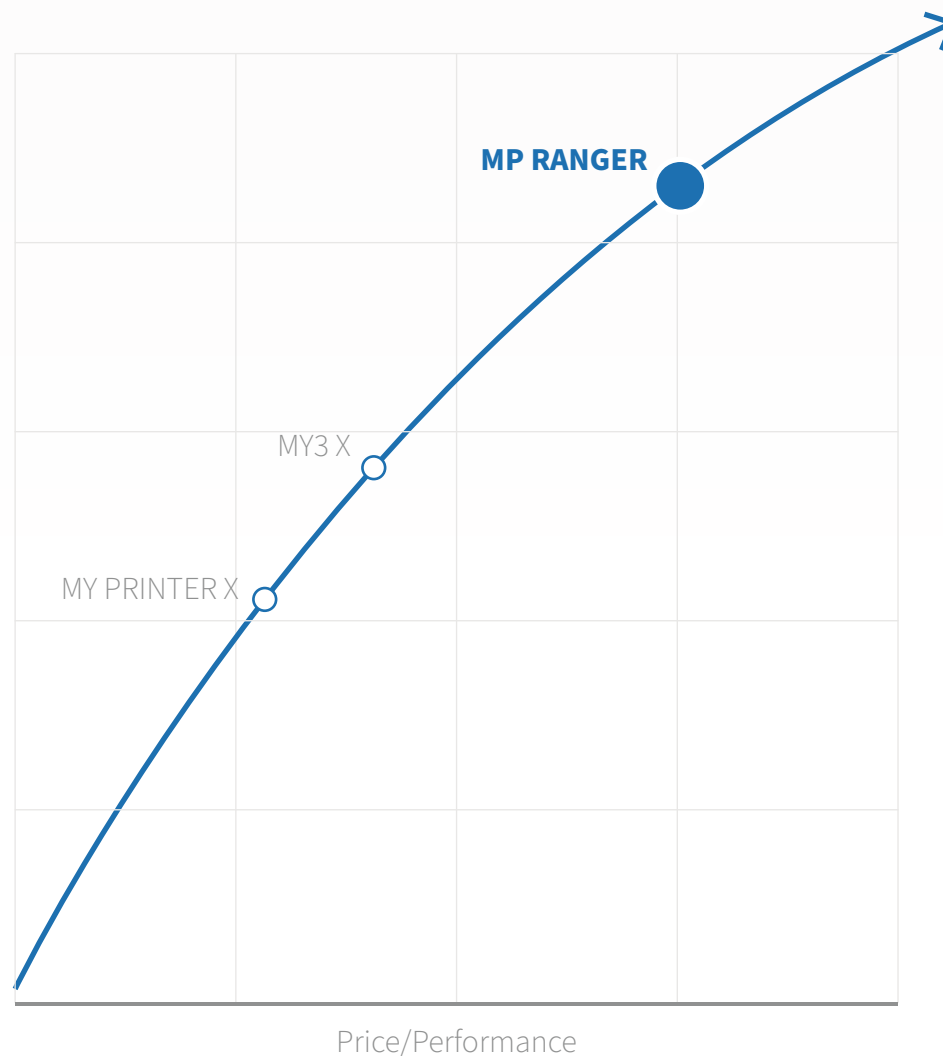
INCLUDED WITH THE PRINTER

The printer comes with the battery, the belt clip, the USB cable and a quick guide included.

Power supply unit, cables, and other accessories and consumable can be purchased from your dealer.

Battery included *

95 mm

210 mm

180 mm

Quick guide
MP RANGER

MP RANGER AT A GLANCE

Paper presence / gap sensor

Type-C USB port

Rubberized ON/OFF button

Status LED

Battery status LED

Rubberized FEED button

Tear off

Inspection porthole

Rugged casing

Easy opening
(with cover open sensor)

Intelligent battery with easy lock
(2600 mAh)

UNBREAKABLE

The device can handle falls from **1 m** of height.

It's **IP54** certified against dust and liquids.

MP RANGER ADAPTS TO YOUR PAPER ROLLS

In fact, in the package you will find **two spacers** that allow you to use different paper sizes.

The **easy mount system** allows you to mount the spacers with one click.

IDEAL FOR TICKET PRINTING

MP RANGER is perfectly suited to those markets where fast and reliable printing is required
when operating in **hostile environments** both outdoors and indoors.
This category includes postmen, couriers, parking attendants, train stewards, etc ...
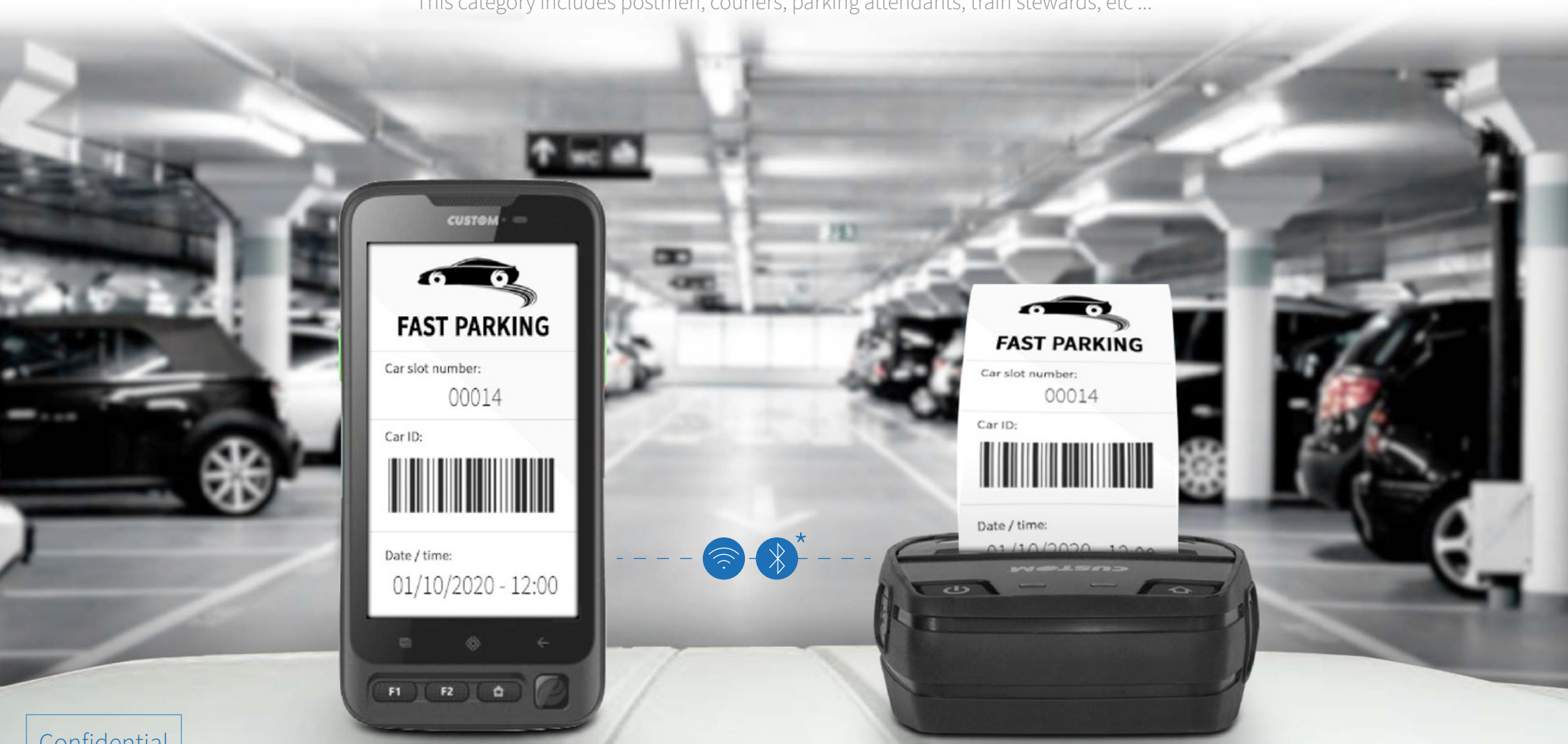
* The Wifi and Bluetooth technology do not work at the same time

IDEAL FOR LABEL PRINTING

The use of **MP RANGER** is also successful in sectors such as GDO and logistics where the use of labels is mandatory.

Is the perfect tool to work with **K RANGER** but also with any PDA on the market.

With its rubber protection MP Ranger is not afraid of bumps or falls.

* The Wifi and Bluetooth technology do not work at the same time

RECHARGE MP RANGER AS YOU WANT

MP RANGER can be recharged using the supplied USB cable.

If you don't have a power supply, you can choose the one you prefer between

the wall power supply or the 1 or 5-position charging stations, all available as accessories.

1-position charging station

5-position charging station

INTELLIGENT BATTERY

In a mobile printer, autonomy is essential.

For this reason, the **MP Ranger battery** constantly communicates with the control board to allow the processor to optimize the energy requirements based on the workload detected.

INCLUDED with the printer

COMFORT IS IMPORTANT

This is why our engineers have designed a series of accessories that
will help you to carry **MP RANGER** in the most comfortable way for the activity you are carrying out.

BLUETOOTH SMART CONNECTION

For smartphones equipped with NFC technology, pairing with **MP RANGER** is very simple.

Hold your phone close to the printer and follow the on-screen procedure.

Just one click!

Do you want to pair with MP RANGER?

CONNECT

CANCEL

less than 1 cm

NO NFC ON THE SMARTPHONE?

For smartphones **not equipped** with NFC technology, pairing is carried out with the classic method.

Open the bluetooth settings, select **MP RANGER** from the list and activate pairing.

The printer must be turned on.

BT ADDRESS 00:1B:63:84:45:E6

S/N CTM30028130900043

Label on the bottom of the device

CONNECT THE PRINTER TO YOUR NETWORK

Connect the printer to **PRINTERSET** and set the Wifi parameters.

From this moment, every device connected to the Wifi network is able to print on **MP RANGER**.

⬇ LOAD	⬆ SAVE	🔌 PORT	🔧 EXTRA	❓ HELP

SETUP

Info

Communication

Print

Blackmark

Misc

LOGOS
FONT
TOOLS
UPGRADE
STATUS
BLACKMARK

Busy condition	RxFull	▾
USB Class	Printer	▾
USB address number	0	▾
Wireless	Wifi	▾
Wifi Printer name	MP RANGER	▾
DHCP client	Disabled	▾
Security type	WPA	▾
SSID	Company network 1	
Password	***************	
IP address	192.168.0.1	
Subnet mask	255.255.240.0	
Default gateway	192.168.0.5	
TCP printer port	9100	
IP address	192.168.0.1	

Description

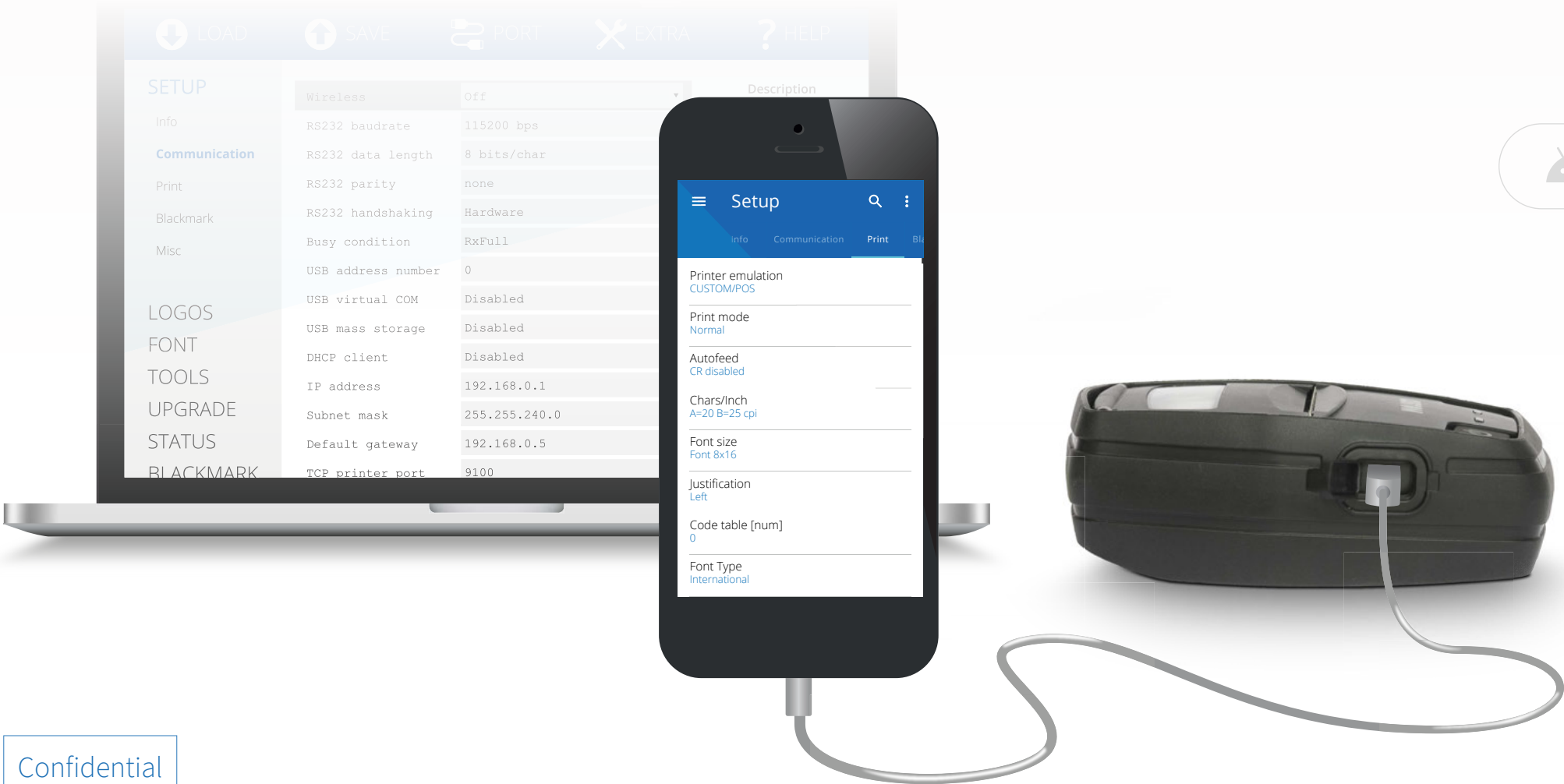Activation of the Bluetooth® module or WiFi on the device.

EASY PC OR MOBILE PRINTER SETUP

Custom PrinterSet is a powerful tool for a complete, easy and quick management of your printer.

For example Custom PrinterSet allows you to clone printer configuration by reading and saving printer setup.

Easily configure your printer with an intuitive user interface. Connect the printer to the **PC** or **Android mobile** via USB and launch the app.

| LOAD | SAVE | PORT | EXTRA | HELP |

SETUP			Description
Info	Wireless	Off	
Communication	RS232 baudrate	115200 bps	
Print	RS232 data length	8 bits/char	
Blackmark	RS232 parity	none	
Misc	RS232 handshaking	Hardware	
	Busy condition	RxFull	
	USB address number	0	
LOGOS	USB virtual COM	Disabled	
FONT	USB mass storage	Disabled	
TOOLS	DHCP client	Disabled	
UPGRADE	IP address	192.168.0.1	
STATUS	Subnet mask	255.255.240.0	
	Default gateway	192.168.0.5	
BLACKMARK	TCP printer port	9100	

Setup

Info   Communication   **Print**   Bla

Printer emulation
CUSTOM/POS

Print mode
Normal

Autofeed
CR disabled

Chars/Inch
A=20 B=25 cpi

Font size
Font 8x16

Justification
Left

Code table [num]
0

Font Type
International

USING THE PRINTER WITH CPT

Custom Power Tool is an easy and versatile tool for creating and changing of the ticket layout as alternative to communication protocol.
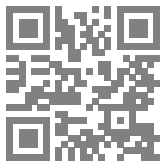
The user-friendly interface allows you to quickly arrange data and graphic elements with simply drag and drop gesture.

The Software developer will use SDK library to manage ticket data on basically any OS: Windows, Linux, Android.

The sales application will manage by driver the project created with CPT.

Check out
the cartoon

DEMO SOFTWARE

Explore the potential of **MP RANGER**.

Install the **CUSTOM PRINT** app on your android smartphone and you are immediately ready to print
the photos from your gallery, the phone book, a sketch drawn on the screen and much more.
CUSTOM PRINT is available on the **APP STORE**.

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CONNECTIONS AND COMMUNICATION

The printer is able to communicate via driver by connecting the USB port,

or via protocol with the same USB port or using Wifi or Bluetooth technology.

Driver are available on **www.custom4u.it**.

COMMUNICATION VIA PROTOCOLS
Custom/POS

COMMUNICATION VIA DRIVER
Standard driver for Windows
Windows 7 (32/64 bit)
Windows 8 (32/64 bit)
Windows 8.1 (32/64 bit)
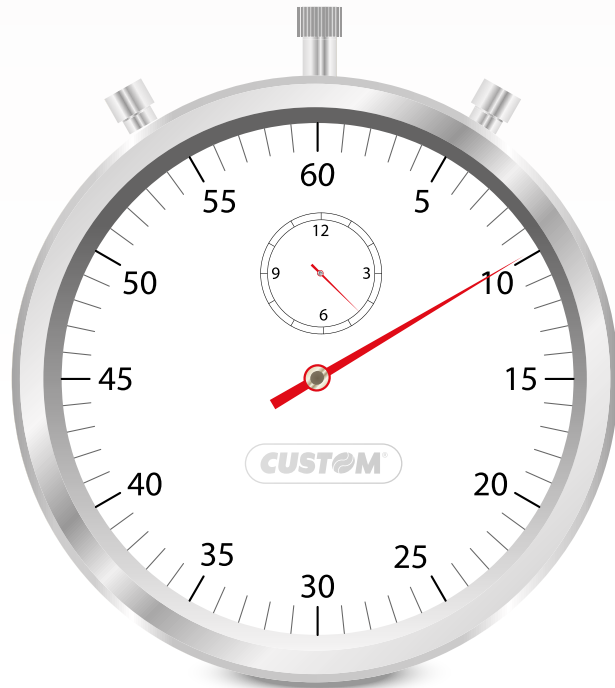Windows 10 (32/64 bit)

CUPS driver for linux
Linux (32/64 bit)

Android API
Android 4.4 or later

Type C USB port
(2.0 full speed)

* The Wifi and Bluetooth technology do not work at the same time

PERFORMANCES

With **MP RANGER** you can count on a product with top performance and high reliability

Bluetooth	**Bluetooth 4.2 BLE**
Li-ion battery pack	**2600** mAh
Operating temperature	**-10** °c ÷ **+50** °c
Printhead life	**50** Km / **100M** pulses
Resolution	**203** dpi
Speed	**110** mm/s
Barcode	**1D and 2D**
Roll width	**76, 80** mm
Media	**Continuous paper roll, labels with gap/notch**

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MP RANGER PRINT EVERYTHING

The three internal fonts (11, 15, 20 cpi)allow you to use a large selection of pre-installed code tables.

In addition to these, further code tables are available on request to satisfy every need.
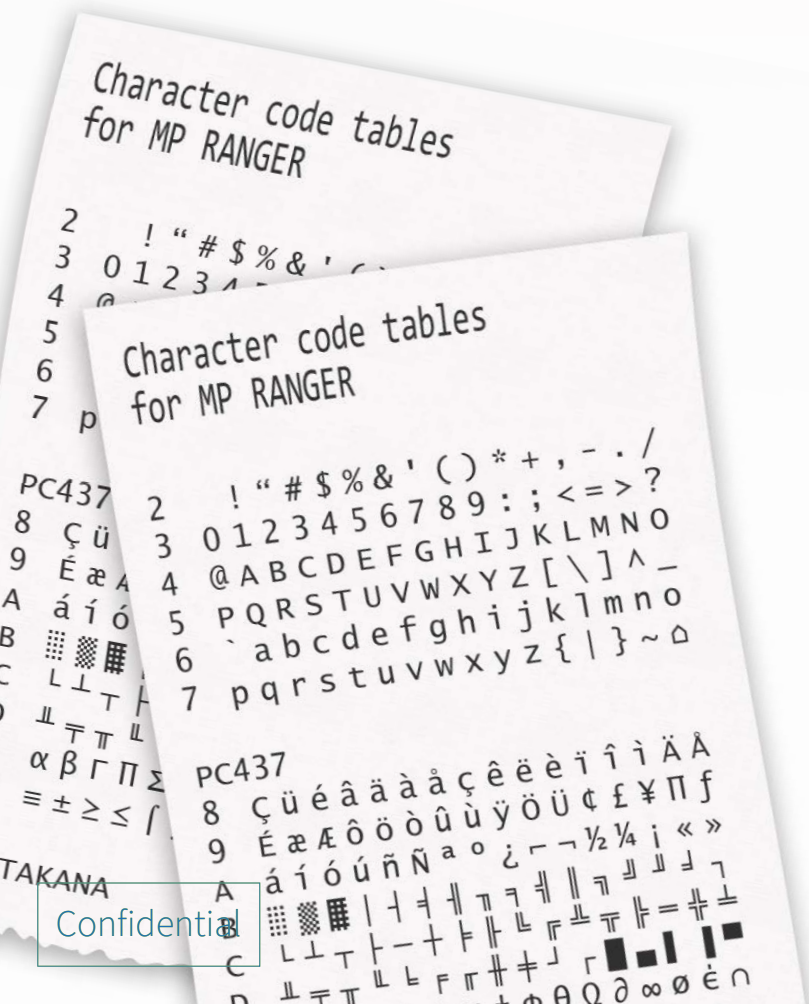
PREINSTALLED CODE TABLES

KU42 - Thai	PC1098 - Farsi
KZ1048 - Kazakh	PC1125 - Ukrainian
PC437 - U.S.A., Standard Europe	Katakana
PC737 - Greek	VISCII - Vietnamese Standard
PC850 - Multilingual	WPC1250 - Latin 2
PC852 - Latin 2	WPC1251 - Cyrillic
PC857 - Turkish	WPC1252 - Scandinavian
PC860 - Portuguese	WPC1253 - Greek
PC862 - Hebrew	WPC1254 - Turkish
PC863 - Canadian/French	WPC1255 - Hebrew
PC864 - Arabic	WPC1256 - Arabic
PC865 - Nordic	WPC1257 - Baltic Rim
PC866 - Cyrillic 2	WPC1258 - Vietnamese

AVAILABLE CODE TABLES

PC720 - Arabic

PC851 - Greek

PC853 - Turkish

PC855 - Cyrillic

PC861 - Icelandic

PC869 - Greek

PC1118 - Lithuanian

PC1119 - Lithuanian

ISO8859-2 - Latin 2

ISO8859-7 - Greek

ISO8859-15 - Latin 9

TCVN_3 - Vietnamese

TCVN_3 - Vietnamese

TIS11 - Thai

TIS18 - Thai

WPC775 - Baltic Rim

PREINSTALLED CHINESE

Chinese GB18030

Korean CP949

WHY BUY MP RANGER

A quick comparison with the competitors printers makes it possible to understand that
MP RANGER is equivalent and in some cases better than its direct competitors

SEALING (w/o protective case)

MP RANGER	IP54
Bixolon SPP-R310	IP54
Zebra ZQ320	IP54
Citizen CMP-30II	IP42
TSC TDM-30	IP42

BATTERY CAPACITY

TSC TDM-30	3080 mAh
MP RANGER	2600 mAh
Bixolon SPP-R310	2600 mAh
Citizen CMP-30II	2600 mAh
Zebra ZQ320	2280 mAh

BLUETOOTH

TSC TDM-30	BT 5.0 + NFC tag for pairing
MP RANGER	BT 4.2 + NFC tag for pairing
Citizen CMP-30II	BT 4.2
Bixolon SPP-R310	BT 4.1 + NFC tag for pairing
Zebra ZQ320	BT 4.0 + NFC tag for pairing

ROLL WIDTH

MP RANGER	max 80 mm
TSC TDM-30	max 80 mm
Citizen CMP-30II	max 80 mm
Zebra ZQ320	max 80 mm
Bixolon SPP-R310	80 mm

SPEED

MP RANGER	110mm/s
TSC TDM-30	102mm/s
Citizen CMP-30II	100mm/s
Bixolon SPP-R310	100mm/s
Zebra ZQ320	100mm/s

MAX. ROLL DIAMETER

Citizen CMP-30II	56 mm
Bixolon SPP-R310	50 mm
MP RANGER	40 mm
TSC TDM-30	40 mm
Zebra ZQ320	40 mm

ORDERING INFORMATION

DEVICES

911MM010100P33
Mobile printer
MP RANGER

POWER SUPPLY ACCESSORIES

977MM010000001
1-Position charging station

977MM010000002
5-Position charging station

RECOMMENDED ACCESSORIES

970MM010000001
Protective case with shoulder strap

28D30000000014
2600 mAh Li-Ion rechargeable battery

963GE020000056
Power supply
adapter AC to USB

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WWW.CUSTOM.BIZ