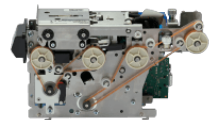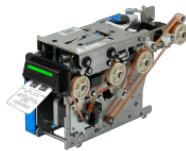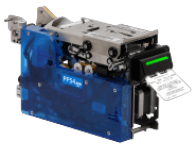# PP54 EVO

## The most innovative parking, transport and access control system engine

The most innovative parking, transport and access control system engine. Ideal for any Parking Systems with Bar Code tickets.

## CHARACTERISTICS

- ISO7811 ticket HD full graphic printing/scanning capability (300Dpi)
- 1D/2D Barcode reading to accept and validate the ticket
- Modular system (ticket separator and printing/reading unit)
- Improved ISO ticket fan-fold burst capabilities
- Up to 3 coupons management
- Ticket ejecting/retracting/collecting
- Heavy outdoor conditions
- Full ticket scanning capability in 2 directions (in 4 directions optional)
- RGB led on paper mouth
- RFID
- Plastic card management
- Dual feeder (optional)

## Combines in a unique device:

## ENTRANCE:
- Printing, reading and issuing tickets and cards in less than 1 second

## PAYMENT:
- Receipt printing
- Manage up to 3 tickets

## EXIT:
- Reading & Validating ticket
- Capturing & Ejecting tickets

## KEY HIGHTLIGHTS

- 300 dpi resolution printing and scanning
- CIS technology to read tickets: Single for 2 ways, Double 4 ways ( option)
- Bottom and rear dispensing
- CUSTOM made RFID HF
- Multiple interfaces Ethernet -RS232 - USB (option)
- External display (option)

**Easy maintenance:** the weared components can be replaced directly on-site! All the sensors can be simply dismantled with a screwdriver and the printing roll can be changed when the printer is already mounted.

## HIGHLIGHTS

HEAVY DUTY motors for outdoor use; Operating T°: -20°C > +60°C
EASY MAINTENANCE (thermal head, control board, paper loading module, bezel, ..)
Standard ISO Ticket Management: In/Out reading & printing module system with detection of wrong ticket insertion

- Printing speed: less than 1 second
- 1D & 2D Barcode Print & Read capability, Aztec, DataMatrix, PDF417, QRCODE
- Paper weight range: 140 > 210 gr/m2
- RS232 + Ethernet; USB as option (small board addon)
- ALL International Fonts
- Zero Power Management (solar & battery app)

Power supply: 24Vdc
- RGB LED paper mouth
- Improved internal mechanical management of media
- "Custom Power Tool" advanced ticket editor
- Printer Set, the tool for configuring the printer from PC (windows) or via mobile (Android)
- SDK package with demo software and complete library documentation
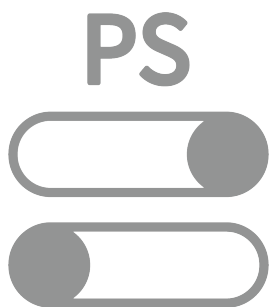
## FOCUS ON

The system is composed of 2 modules:

### A) Ticket module (printing and handling)
- To print
- To scan a ticket (thermal side).
Not-thermal side version, as option.
- 2 ticket-capture ways (bottom & rear)

### B) Paper loading module
- To separate & load a ticket
- Available:
1 feeder with buster. Only Fan Fold
1 feeder with cutter. Fan Fold & Roll
2 feeder with buster. Only Fan Fold

## SOFTWARE



SOFTWARE **PrinterSet** : to update logos, edit characters, set operating parameters and update the printer firmware. It allows you to create a file including the different SW customizations and send them to the printer via the interface provided, for easy and fast setting.
**Discover PrinterSet**

Thanks to **Custom Power Tool** you can create - or change - on your own the layout of your tickets or receipts in a few simple steps. You can also do it without having computer skills, thanks to the practical interface which has been designed by Custom. **Discover Custom Power Tool**

CustomPP54SM available among the utilities:
SDK dedicated to PP54 EVO that enables to develop applications in Microsoft .NET for the advanced management of the printer. The SDK provides several functions that allow to easily integrate the management of all the operations that you can do with PP54 EVO in the software.

The functions in the library enables an high level control of:
- Communication setting with the printer on Ethernet, Serial and USB interface
- Ticket printing and handling
- Barcode reading
- Check Status
- GPIO control
- LCD control
- RFID mode
- Date and hour reading and setting

Moreover, the library automatically deals with the management of the events given back by the printer (alarm, user intervention).

The installation package includes:
- CustomPP54SM.dll library
- Example software with source code
- Information about the functions in the library

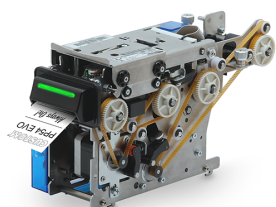PP54LayoutEditor is also available, and it enables to create printing layouts compatible with PP54 EVO.

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**ACCESSORIES**

- It issues RFID tickets, long-term tickets, pre-paid cards:
    - ISO 14443-A/B, ISO 14443 Part 4 Support (TCL Firmware)
    - MIFARE classic read/write
    - ISO 15693
    - NFC compatibility
- Extra CIS located on not thermal side for ticket serial number reading (optional)
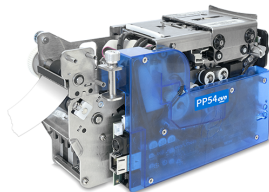- Improved internal mechanical management of media

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# CUSTOM®

## TECHNICAL SHEET

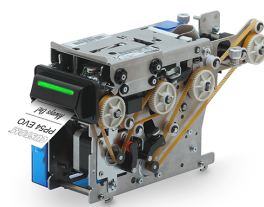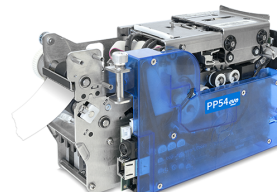| | |
|---|---|
| **Printing Method** | Thermal, fixed head |
| Number of dots | 12 dot/mm |
| Resolution | 304 dpi |
| Printing (mm/sec) | 150 mm/sec |
| Character set | 2 True font, extended chinese GB18030-2000 |
| Supported Barcode | EAN13, CODE39, CODE128, ITF, PDF417, DATAMATRIX, AZTEC, QRCODE |
| Printing Format | Height/Width from 1 to 8, bold, reverse, underlined, italic |
| Printing Direction | Normal, 90°, 180°, 270° |
| Paper weight | from 140 g/m2 to 210 g/m2 |
| Paper thickness | from 140 to 230 ㎛m |
| Printing width | 50 mm |
| Sensors | Head temperature, paper in, paper out, cover open, 4 internal sensor for ticket management, external near paper end (optional) |
| Emulation | CUSTOM/POS |
| Interfaces | USB, RS232 serial, ETHERNET |
| Data Buffer | 16 Kbytes |
| Flash Memory | 2 Mbytes internal + 8 Mbytes external (of which 4Mbytes available for user) |
| RAM Memory | 512 Kbytes internal + 8Mbytes external |
| Drivers | Windows® (32/64 bit) – only on request WHQL and silent installation |
| Power supply | 24 Vdc ±10% (optional external power supply) |
| Medium consumption | 1.2A   (12,5% dots on) |
| Head Life | 100 Km / 100M pulse |
| MCBF | 1.000.000 cutter |
| Operating temperature | from -10°C to +60°C |
| Dimensions | 270(L) x 146(H) x 108(W) mm |
| Weight | 3,0 Kg |

## MODELS



**915LA020200600**
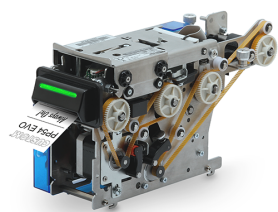PP54 EVO RS232 ETH 1-CIS



**915LA020100600**
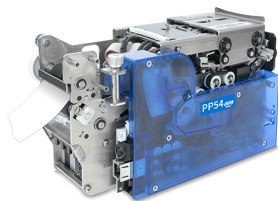PP54 EVO 1-FEEDER RS232 ETH 1-CIS



**915LA020500600**
PP54 EVO RS232 ETH 1-CIS RFID HF



**915LA020300600**
PP54 EVO 1-FEEDER RS232 ETH 1-CIS RFID HF

**915LA020600600**
PP54 EVO RS232 ETH 2-CIS

**915LA020400600**
PP54 EVO 1-FEEDER RS232 ETH 2-
CIS RFID HF

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The technical data on this website are not binding and may be changed without advanced notice.
Last update: 29 September 2022