



# Ticketing

Events, transports and parking

## TK306

#### LED 3" COLOR LABEL AND TICKET PRINTER

The TK306 is the smallest LED DRY TONER color printer with photographic print quality (1200 dpi) and zero edge bleed.

The TK306 is the first fully featured solution to do away with pre-orders of tickets and wasteful unused tickets after the event; it is therefore ideal for personalised on-demand and spot printing and visual identification applications (badges/tickets/single ID cards).

The TK306 prints on normal printer paper, and even recycled paper, for compliance with environmental requirements, combining high quality color output with respect for the environment.

The LED print head with no moving parts ensures zero need for the nozzle maintenance typical of inkjet and laser printers.

All through single printer: TK306 is a multi tiered printer allowing to replace multiple printers.

TK306 is also a full color ISO card printer: instantly print ISO cards on heavy paper as alternative to vinyl and plastic printed cards.

The TK306 offers unlimited personalisation options with unequalled print speed and completely silent operation.



- PHOTOGRAPHIC PRINT QUALITY (1200 dpi)
- 2 LED PRINT HEAD WITH NO MOVING PARTS
- PRINTS ON **STANDARD** AND EVEN **RECYCLED** PRINTER PAPER
- 4 UNBEATABLE PRINT **SPEED** AND COMPLETELY **SILENT** OPERATION
- 5 PERSONALISED "ON-DEMAND": SPOT PRINTING FOR SINGLE OR FEW COPIES AND NO MORE UNUSED TICKETS/LABELS



- Technology: electrophotographic LED (cyan, magenta, yellow)
- Resolution: 1200 × 1200 dpi
- Speed: 2-6 IPS (50-150 mm/s)
- Interfaces: USB 2.0 HS, Ethernet 10/100
- Paper width: 25-86 mmPrint width: 80 mmPage length: 53-550 mm
- Paper thickness: 0.060 0.25 mm
- Fan fold or paper roll with external roll holder (max 203 mm)
- Barcode printing (including QRcode and barcode PDF417 2D)
- Backlit blue 16 × 2 LCD display
- Panel: power + 8 function keys
- Cutter: rotary (full cut)
- Cutter life: 1 million sheets
- Sensors: paper out, notch/hole, cover open
- Toner settings: 4 density levels
- · Windows driver
- Power: available for 110 V and 220 V
- Dimensions: 198 (L)  $\times$  380 (D)  $\times$  205 (H) mm

#### **OPTIONS**

Presenter to hold the ticket ideal for self-service applications

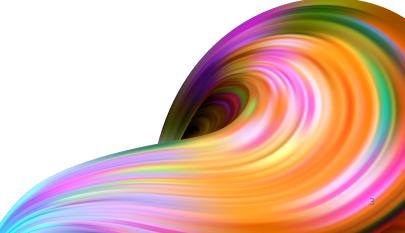
#### **MARKETS**

- ENTERTAINMENT (sports and events ticketing, personal invitations, wristbands)
- VISUAL IDENTIFICATION (meetings, incentive, conferences, exhibitions, badges)
- RETAIL (vouchers, promo, coupons, loyalty cards, shelf tag)
- AVIATION (first & business class, lounge invitations, vouchers, miles redemption, loyalty cards)



#### **CONSUMABLES AND SPARE PARTS**

- Image drum: one image drum cartridge (CMY) with toner
- Toner cartridge: all-in-one CMY
- Other parts: drive belt, fuser, cutter, pick up roll



#### **TK302III**

#### RFID TICKET PRINTER

- Ethernet and web-printing server for remote printing / setting
- Speed > of 200 mm/s
- · High resolution version available printing 300 DPI (TK303)
- Different ticket width from 20 to 82.5 mm
- Ticket weight from 80 to 255 g/m<sup>2</sup>
- 2 rows integrated display
- RS232 + USB + Ethernet interfaces
- 1D / 2D barcodes printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- True Fonts support, any language available
- Highly reliable cutter > of 2,000,000 cuts
- Sensors: fully adjustable bottom and top-opto sensors for any ticket width. Ticket presence sensor
- SD card 2 GB additional memory
- · Dimensions:
  - 252. 1 mm (W) × 192.6 mm (H) × 216 mm (D)
- · Weight: 4 Kg











#### OPTIONS

- VeriPrint® printing head with integrated scanner unit (patented)
- Internal RFID HF / UHF encoder: multiple SAM management
- Triple paper stock feeder to manage three different rolls or fan-fold (3 lines version)
- · Internal barcode scanner optimal for stock validation and fraud prevention
- Fan-fold paper support or paper roll holder
- · Plastic or metal ticket tray

- Total remote management by internal web server
- · Automatic email sending far service purpose
- Remote logo and Font uploading (true type font)
- Drivers available in the printer flash disk
- · Status Monitor
- Full Windows Status Monitor Driver
- Self-installing Driver for Win XP/Vista/7/8/10
- Linux Driver (C.U.P.S.) 32/64 bit compatible
- Mac OS X Driver (C.U.P.S.)
- OPOS in Java and .NET Driver
- Virtual COM / USB SW emulator
- EasyMyfare SW to read / write data on MIFARE tag
- Ethlocator SW to search printers connected to the network and then configure parameters











MULTI FEEDER

FLAT PAPER ROLL HOLDER (OPTIONAL PSU BOX)



# TK202III

#### TICKET PRINTER

- Speed > of 200 mm/s
- High resolution version available printing 300 DPI
- Different ticket width from 20 to 82.5 mm
- Ticket weight from 80 to 255 g/m<sup>2</sup>
- Heavy duty
- 2 rows integrated display
- RS232 + USB interfaces
- 1D / 2D barcodes printing capability (PDF417, DATAMATRIX)
- True Fonts support, any language available
- · 2 sides tear-off bar: reduced ownership cost, no wear on the cutter also with stickers
- · Sensors: fully adjustable bottom and to opto sensors for any ticket width also for hole mark / translucid recognition
- Dimensions: 252.1 mm (W) × 192.6 mm (H) × 216 mm (D)
- Weight: 4 Kg

#### **OPTIONS**

- · Paper roll holder
- Paper guide for wristband

- Self-installing Driver for Win XP/Vista/7/8/10
- Linux Driver (C.U.P.S.) 32/64 bit compatible
- · Status Monitor
- Customizable fonts and logos: LogoMake, FontMake, UpgCePrn















REAR METAL DRAWER

FLAT PAPER ROLL HOLDER

#### TK180

#### TICKET PRINTER

- Very small: just 130 mm (W)  $\times$  118 mm (H)  $\times$  185 mm (D) (5.1" × 4.6"× 7.2")
- Speed > of 200 mm/s
- Different ticket width from 20 to 82.5 mm
- Ticket weight from 70 to 255 g/m<sup>2</sup>
- · Label management
- Suitable for roll receipt-type of paper printing
- Automatic paper calibration feature which activates at every paper loading setting the sensor and recovering the "first ticket" which is never wasted (printer environmental conscious)
- · High readability display in strong ambient light
- Ethernet + RS232 + USB interfaces
- 1D / 2D barcodes printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- True Fonts support, any language available
- 2 sides tear-off
- Sensors: Head temperature, paper presence, mobile detectors of black mark or translucent gap / hole (setting by software), cover open, external low paper
- Cables management and cover
- The smallest in the market
- Weight: 1.9 Kg

#### **OPTIONS**

· Paper roll holder

- Self-installing Driver for Win XP/Vista/7/8/10
- WHQL Windows certified driver
- Linux driver (C.U.P.S.) 32/64 bit compatible
- · Status monitor
- PrinterSet software













TK180 RFID



NEW METAL PAPER ROLL HOLDER

# TK180 METAL

#### TICKET PRINTER

- Compact design
- Speed > of 200 mm/s
- Powerful internal processor
- Hot swap function
- Different ticket width from 20 to 82.5 mm
- Ticket weight from 70 to 255g/m<sup>2</sup>
- 2 sides tear-off
- Suitable for roll receipt-type of paper printing
- LCD blue backlit embedded display
- Ethernet + RS232 + USB interfaces
- Bluetooth and Wi-Fi®
- 1D / 2D barcodes printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- True Fonts support, any language available
- Sensors: head temperature, paper presence, mobile detectors of black mark or translucent gap / hole (setting by software), cover open, external low paper

#### **OPTIONS**

- · Paper roll holder
- Bluetooth and Wi-Fi® bolt-on

- Self-installing Driver for Win XP/Vista/7/8/10
- WHQL Windows certified driver
- Linux driver (C.U.P.S.) 32/64 bit compatible
- Status monitor
- PrinterSet software





















TK180 METAL RFID



NEW METAL PAPER ROLL HOLDER

# B202HIII

#### TICKET AND WRISTBAND PRINTER

- Speed > of 180 mm/s
- Ticket weight from 80 to 180  $g/m^2$
- High durability due to the robust steel internal construction
- RS232 + USB interfaces
- 1D / 2D barcodes printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- True Fonts support, any language available
- Cutter: > of 1,000,000 cuts
- Sensors: fully adjustable bottom opto sensor for any ticket width; top-opto sensor, center hole mark
- Dimensions: 133 mm (W) × 194 mm (H) × 155 mm (D)
- Weight: 2.8 Kg

#### **OPTIONS**

- Internal RFID UHF encoder
- Paper roll holder
- Bracket to connect 2 printers

- Self-installing Driver for Win XP/Vista/7/8/10
- Status Monitor
- Customizable fonts and logos: LogoMake, FontMake, UpgCePrn

















# Options and accessories

# PCPos with receipt printers

## Accessories



SILK WINDOWS





VISION15 PRO



# **APPS**

#### FOR iOS - ANDROID

- Tailor made Development
- Database Integration
- News
- PUSH Notifications
- Contacts and geolocalization
- QR Code Download



#### AUGMENTED REALITY

Augmented reality (AR) is a live direct or indirect view of a physical, real-world environment whose elements are "augmented" by computer-generated perceptual information.



# Multimedia solutions

# **VISUAL T PRO**

#### ADVERTISING TOUCH SCREEN KIOSK WITH EMBEDDED PC

- · Cold laminated steel, powder coating and tempered glass
- 49" Full HD touch vertical monitor
- Resolution: 1920 × 1080
- Multi touch capacitive (10 points)
- CPU: Intel core I3 6100u
- DDR3 RAM 4 GB
- 500 GB HDD (no SSD)
- Wi-Fi®
- 4 USB ports (2 accessible from the outside)
- 2 embedded speakers (10 W + 10 W)
- OS: Windows 7 Professional 64 bit
- Operating temperature: -20°C / +70°C
- · Remote programming and content scheduling
- Dimensions: 69 cm (W) × 190 cm (H) × 43 cm (D)





#### AVAILABLE VERSION

IP65 water resistant



# **MICROPLAYER**

#### HDMI MULTIMEDIA PLAYER

- · Ultra-compact
- Easy to install
- Possibility of wall-fixing
- Reliable: 24hrs/day
- · Ready to use: auto turning on and turning off
- Stand alone mode: server not needed
- Fanless
- Low consumption
- Dimensions: 140 mm (W) × 130 mm (H)











WFR PAGES STREAMING



MPG2 MPG4 DVIX

рното IPFG PNG ВМР

MUSIC MP3 WAV WMA





# Mobile computing

#### P-RANGER

#### RUGGED HANDHELD COMPUTER

- OS: Android™ 7.0
- Camera: Rear 8.0 Mpx
- Display: 5" 1280 × 720 HD AGC Dragontrail
- NFC
- IP67
- GSM/3G/4G
- Dual SIM card (two Micro-SIM cards + one MicroSD card)
- Navigation: GPS, GLONASS, BEIDOU
- Battery: 4000 mAh
- Dimensions:
  - 76 mm (W) × 165 mm (H) × 15.60 mm(D)
- Version with fingerprint: up to 5 fingerprints stored (RP340)
- Version with 1D/2D Scanner (RP300/RP340/RP310)
- Drop resistance: 122 cm

#### **OPTIONS**

- Single slot cradle
- 4 slots cradle
- Vehicle cradle
- Battery 8000 mAh dedicated battery cover
- Pistol grip
- TP protective tempered glass
- Silicon case protection
- Car charger
- Charger





4 SLOT CRADLE









SINGLE CRADLE PISTOL GRIP

SILICON CASE

VEHICLE CRADLE

## K-RANGER

#### RUGGED HANDHELD COMPUTER WITH KEYPAD

- OS: Android™ 8.0
- Camera: Rear 8.0 Mpx
- Display: 4" TFT LCD 800 × 480 resolution, projected capacitive, multi-touch screen
- IP65
- Network: WWAN, WLAN, WPAN (BT), USB 2.0 (Hi-Speed), Support OTG
- Nano-Sim
- Navigation: GPS, GLONASS, BEIDOU
- Scan 1D/2D (standard and extra long range code)
- Keypad 38 keys + Alphanumeric
- GUN version with practical handle (KR500-G)
- Battery: Rechargeable Li-ion 5200 mAh; Charger 12V 2A power adapter
- Dimensions:
   77.8 mm (W) x 202.4 mm (H) x 41.6 mm (D)
- Drop distance: 1.5 m

#### **ACCESSORIES**

- Cradle
- SnapOn
- Vehicle cradle
- 4 slots cradle
- Rubber boot protection
- Standard replacement battery





SNAPON



CRADLE



# Scanning & Image Systems

## **SCANRANGER**

#### BARCODE SCANNER

The barcode readers of Scanranger range offer advanced reading and decoding performance for a wide variety of applications: ideal for cash operations and for office automation applications. Ergonomic design optimized for a comfortable and firm grip even in case of long periods use.

#### **FEATURES**

- 1D and 2D barcode reading
- With cable and wireless
- Flexible communication options
- Smart power management
- Long wireless range up to 90m
- Available version with embedded cradle

The range include also P-SCANRANGER, 1D/2D presentation scanner with appealing design, ideal solution for retail applications.





## A6 & A4 SCANNER

#### **COLOR SCANNER**

- · Front and rear scanning
- Sturdy: full metal body
- Max 600dpi resolution double side
- Scanner max speed: 400 mm/sec
- Front paper mouth with RGB led
- Sensor for detection of jam/blocked sheet (internal encoder)

A6 SCANNER

- Document alignment system in entrance (deskew)
- Fully inspectionable for easy cleaning and maintenance
- Retract or eject
- SW integration through evolved SDK library





# Self-service ticket printers

#### KPM302III

#### TICKET PRINTER

- 200 DPI or 300 DPI great printing quality
- Paper width from 20 to 82.5 mm
- Speed > of 200 mm/s
- RS232 + USB + Ethernet interfaces
- 1D / 2D barcode printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- Fast communication
- · Last generation processor
- · International resident fonts
- Highly reliable cutter > of 2,000,000 cuts
- Sensors: black mark detector in 4 positions and translucid gap / hole mark detector (setting by software); ticket presence sensor too
- SD card 2 GB additional memory



#### **OPTIONS**

- VeriPrint® printing head with integrated scanner unit (patented)
- RFID version: multiple SAM management
- Triple paper stock feeder to manage three different rolls or fan-fold (3 lines version)
- Internal barcode scanner optimal for stock validation and fraud prevention
- Burster kit / autocutter / tear off all selectable by the user
- · Huge paper roll support with sensor
- Fan-fold paper support (front and back)
- Front Ejector
- Safety Key

- · Total remote management by internal web server
- Automatic email sending for service purpose
- Remote logo and Font uploading (true type font)
- Drivers available in the printer flash disk
- Full Remote Status Monitor
- Self-installing Driver for Win XP/Vista/7/8/10
- Linux Driver (C.U.P.S.) 32/64 bit compatible
- Mac OS X Driver (C.U.P.S.)
- OPOS in Java and .NET Driver
- EasyMyfare SW to read / write data on MIFARE tag
- EthLocator SW to search printers connected to the network and then configure parameters
- Custom Power Tool
- PrinterSet















# Self-service ticket printers

## KPM150III

#### TICKET PRINTER

- 200 DPI best printing quality
- Paper with from 20 mm to 54 mm
- Paper weight from 80 to 180 g/m<sup>2</sup>
- Label management
- Speed > of 180 mm/s
- RS232 and USB interfaces
- 1D / 2D barcode printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- · Fast communication
- · Last generation processor
- · International resident fonts
- Highly reliable cutter: > of 1,000,000 cuts
- Sensors: fully adjustable bottom opto sensor for any ticket width; top-opto sensor, traslucid gap; near paper end sensor
- High durability due to the robust steel internal construction



#### **CUT&HOLD KIT**

 The printer is equipped with a Cut&Hold device as accessory, which avoids the ticket falling on the ground after print out.

#### **SOFTWARE FEATURES**

- Remote Status Monitor
- Self-installing Driver for Win XP/Vista/7/8/10
- Custom Power Tool
- PrinterSet



#### KPM180H

#### TICKET PRINTER

- 200 DPI or 300 DPI best printing quality
- $\bullet\,$  Paper width from 20 mm to 82.5 mm
- Paper weight from 70 to 255 g/m<sup>2</sup>
- Label management
- Speed > of 200 mm/s
- RS232 and USB interfaces
- 1D / 2D barcodes printing capability (PDF417, DATAMATRIX, AZTEC, QR code)
- True Fonts support, any language available
- Tear off or cutter (1MI cuts) with dispenser (option)
- Sensors: head temperature, paper presence, mobile detectors of black mark or translucent gap / hole (setting by software), cover open, external low paper
- The smallest in the market
- SNAP-IN power supply connector and ON/OFF button
- Back connections, feed and print buttons, both in front and back
- · Hot swap function
- Optional heavy duty autocutter with motorized Cut&Hold / Ejector Mechanism



#### **SOFTWARE FEATURES**

- Remote Status Monitor
- Self-installing Driver for Win XP/Vista/7/8/10, Linux (C.U.P.S.)
- PrinterSet software
- CUSTOM operating system
- Custom Power Tool
- PrinterSet



AVAILABLE KPM180H-LL VERSION WITH LINERLESS PAPER

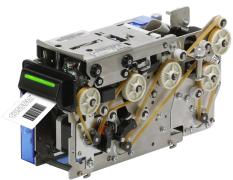


# Parking, transports and access control systems

#### **PP54**

- ISO 7811 ticket HD full graphic printing / scanning capability (300 DPI)
- 1D / 2D Barcode reading to accept and validate the ticket
- Modular: 1 feeder / 2 feeders / 1 feeder cutter (currently in testing)
- Able to work "stand alone", without any PCs
- Up to 3 coupons management
- Ticket ejecting / retracting / collecting
- · Heavy outdoor conditions
- · Bottom and rear dispensing
- CIS technology to read tickets: single for 2 ways, double 4 ways (option)
- RGB led on paper mouth
- Paper rolls / fan fold
- CUSTOM made RFID HF
- · Plastic card management
- Buster / cutter
- External display (option)
- Printing speed: less than 1 second
- 1D / 2D barcodes printing and reading capability (PDF417, DATAMATRIX, AZTEC, QR code)

- Paper weight range: 140 210 g/m<sup>2</sup>
- Multiple interfaces Ethernet -RS232 USB (option)
- All International Fonts
- Zero power management (solar & battery application)
- Power supply: 24 Vdc
- · Windows and Linux Drivers
- SDK Development Kit
- It issues RFID tickets, long-term tickets, pre-paid
  - » ISO 14443-A/B, ISO 14443 part 4 support (TCL Firmware)
  - » MIFARE classic read / write
  - » ISO 15693
  - » NFC compatibility
- Double paper inlet (option)
- · Further CIS located on not thermal side for ticket serial number reading (option)
- Wi-Fi® dongle (external)





Heavy duty motors for outdoor use: operating temperature -20°C / +60°C

Easy maintenance (thermal head,



Standard ISO ticket management in / out reading & printing module system with detection of wrong

ticket insertion





# Receipt printers

#### VK80

- Paper width: from 45 to 82.5 mm
- Speed: > 200 mm/s
- · Heavy duty rotative cutter
- Ethernet interface and USB
- 1D / 2D barcodes printing capability
- Highly reliable cutter > 1,500,000 cuts
- True fonts: European, Chinese, Russian, any International font drag and drop easy upload
- Sensors: ticket presence, head temperature, black mark, ticket presence on output, open printing head unit
- · Connectors behind chassis for very flexible kiosk integration
- Powerful engine for big paper rolls
- Interfaces: USB + Ethernet (200 DPI rear connectors)
   USB + Ethernet +RS232 (300 DPI side connectors)
- Web server

#### VKP80III

- Paper width from 50 to 82.5 mm
- Speed > of 250 mm/s
- · Automatic ticket ejecting & retractring back
- Retracting function w/o ticket presentation (patented)
- RS232 and USB 2.0 full speed interfaces (ETH and USB version available)
- 1D / 2D barcodes printing capability
- Long life printing head (200 Km)
- Highly reliable cutter
- Patented anti-jamming system with clean command
- Illuminated paper bezel
- Outdoor applications: -20°C / + 70°C working temperature
- Hot swap function
- Shutter for outdoor (option)

#### VKP80II SX

- Paper width from 60 to 82.5 mm
- Speed > of 220 mm/s
- Automatic ticket ejecting & retractring back
- · High power motor feeder for huge paper roll
- RS232 + USB / RS232 + USB + Ethernet interfaces
- 1D / 2D barcodes printing capability
- Highly reliable cutter > of 1,500,000 cuts
- Illuminated paper bezel
- Patented anti-jamming system
- Outdoor applications: -20°C / + 70°C working temperature
- Shutter for outdoor (option)

# TG2480HIII/TG2480HIII-EJ

- Paper width 80 mm
- Speed > of 150 mm/s
- Up to 90 mm paper roll diameter
- RS232 and USB interfaces
- Available version with motorized ejector (TG2480HIII-EJ)
- 1D / 2D barcodes printing capability
- International fonts on board: any language available
- Patented anti-jamming system

#### TG2460HIII CUTTER

- Paper width 60 mm
- Speed > of 140 mm/s
- Up to 120 mm paper roll diameter
- RS232 and USB interfaces
- 1D / 2D barcodes printing capability (QR code)
- Patented anti-jamming system
- Outdoor applications: -20°C / + 70°C working temperature









# Special solutions and options

# VeriPrint® technology

#### PRINTING HEAD WITH INTEGRATED SCANNER

- Read the barcode on the ticket
- · Verify the correct printing
- · Save the image

The VeriPrint® system makes a print and save in real time of the digital image of the issued ticket. During the ticket printing phase, the embedded scanner automatically takes the ticket's image. This image can be memorized inside the printer in a mass memory (MMC, SD) or can be sent to the remote host.

#### BENEFITS

- Automatic storage of the tickets' images in local databases for future sending to the central server
- Retrieval of the original and compliant ticket image for possible objections
- · Costs reduction of printed paper
- · Check of the correct issuing of printed document
- Images capture from remote host through a Web Browser (Ethernet version)





# RFID technology

• Easy to integrate in SW platforms

Same printing module for the OFFICE and for the KIOSK

**HF** - Short distance

- Multi tickets support
   Multifeeder available for handling RFID tickets and standard paper
- **Higher security in less space**Built-in 3 SAM management
- Low ownership cost
   HIGH MTBF



**UHF - Long distance** 

# MIFARE ISO 14443A (MIFARE 1K, 4K and Ultralight) ISO 15693 i-Code ISO 14443B Calypso, FeliCa other minor RFID standards ETSI standard, fully compliant to the European Regulation ETSI EN 302 280 (869.525 MHz) FCC standard, fully compliant to the US telecommunication regulation FCC part 15 (902-928 MHz) ISO 18000-6B Philips UCODE EPC 1.19 EPC Class1 Gen2 / ISO 18000-6C

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SUPPORTED STANDARDS

- Transportation
- Payment
- Identification and management of documents (for archives and libraries) and people (patients in hospital)
- Toll roads and parking

- Aviation: bag tags
- Logistics: labelling
- Medical: wristbands
- Events: tickets / wristbands

# Special solutions and options

## Multi bin

Triple paper stock bin to manage three kind of tickets.

- Increasing paper capability
- Flexibility of offered services
- Saving space on the desk
- · Saving space in the self-service kiosk

#### TWO WORKING WAYS:

- **Single mode:** it is possible to use the same kind of paper for the three paper loadings available.
- **Mixed mode:** it is possible to use a mix of different paper. Reduced footprint trough a single printer instead of 2.







# Solutions for railways



- Triple feeder module
- KPM302 printer with Veriprint®



- Triple feeder module
- KPM302 printer with Veriprint®
- Bundler



Ticket validation unit





#### CUSTOM S.p.A.

#### World Headquarters

Via Berettine, 2 43010 Fontevivo, **Parma** ITALY Tel. +39 0521 680111 Fax +39 0521 610701 info@custom.biz - www.custom.biz

#### **Logistics Hub**

Interporto di Parma Via Berna, 8 43010 Fontevivo, **Parma** ITALY

#### **Company management**

Via E. Fermi, 4 43010 Castelguelfo, **Parma** ITALY