**Compuprint SP40 plus - Transactional Multifunction Printer**

**Technical Data**
- **Printing Technology**: Impact Dot Matrix 24 pins
- **Print Speed (at 10 cpi)**: 580 cps (VHSD), 520 cps (HSD), 400 cps (Draft), 200 cps (NLQ), 133 (LQ), BIM: 2400 dps
- **Line Length**: 94 columns @10cpi, 112 columns @29cpi, 141 columns @15cpi
- **Horizontal Spacing**: 5, 7.5, 8, 10, 12, 15, 16, 18, 19.7, 20, 24 cpi and proportions
- **Paper Handling**: Single sheet, envelopes, label, thickness 0.05 – 0.65 mm, weight 40 g/m² - 200 g/m², feedforward (horizontal and vertical), thickness up to 2.7 mm
- **Size (with)**: 82 x 55 x 244 mm (244 x 470 mm max)
- **Copies**: 1 original + 6 copies
- **Special Functions**: Automatic Gap Adjustment (AGA), Document Auto Alignment, Bidirectional Logic, Seeking, Auto Border Recognition, Optical Mark Reading, Automatic Set-up
- **Display**: LCD display – 2 lines with 16 characters each
- **Graphic Resolution**: 60, 120, 180, 240, 360 horizontal cpi – 72, 90, 180, 216, 360 vertical cpi
- **Character Set**: 21 International Code Page, 28 International Character Set, Gost, Mazovia, Farsi
- **Barcodes**: UPC A/E, EAN 8/13, Code 11/39/93/128, ADD-ON 2/5, BCD, MSI, 2/5 Interleaved, 2/5 Matrix, 2/5 Industrial, Postnet, Codabar
- **Resident Fonts**: Draft, Courier, Gothic (Sans Serif), Roman, Prestige, Presentor, Script, OCR-A/B, Boldface, Italic
- **Resident Emulations**: IBM Personal Printer 2390+, IBM Proprinter XL24-XL24AGM, IBM4922, Epson LQ2000, LQ2550, LQ700, BPL, RPL, PRN, PRN200 PR200, PRN300
- **Interface**: Standard: Parallel, Serial RS-232 C (DB9), USB 2.0 Full Speed, Automatic switching
- **Optional Interface**: 2nd Serial, 2nd USB device High Speed, Ethernet 10/100, up to 3 USB ports, USB Host (2.0 Full Speed CHC)
- **Input Buffer**: Up to 256 MB – Flash Memory 4 MB – DRAM 16 MB
- **Drivers**: Windows 2000, WinXP, Vista (32/64), Windows 7/8/10 (32/64), Windows 2003 (32/64), WinServer 2008 (32/64)
- **Reliability**: MTBF= 10,000 hours
- **Consumables**: Black ribbon, life > 10 million characters
- **Noise Level**: < 54 dB (A)
- **Power Supply**: Universal 100÷230 Vac, 50÷60 Hz
- **Power Consumption**: 45 W (ISO/IEC 10561 Letter pattern), Sleep Mode < 3W, Off Mode 0 W
- **Dimensions and Weight**: 396 (W) x 200 (H) x 285 (D) mm, 8 Kg (9.2 Kg packed)

**Optional Devices**
- **Scanner**: Front/Rear colour scanner, 16 million colours RGB, 256 grey levels, up to 600 DPI
- **Max Scan**: Scan from ID card to A4, LR and U.V. detections available on specific versions
- **Scanner Speed**: (FR) up to 15 inches/minute, (M) up to 7.5 inches/minute, Colour
- **Max Character**: ASCII 30-3F, Field duplication, DIN32774, ANSI, IBM3604, Bormughe
- **Max OCR Reader**: reading speed 27 inches/minute, CMY and E13B supported
- **Tractor**: Specific version with rear tractor for fanfold (max width 9,45 inch)

**Product Models**
- **Compuprint SP40plus Display**: PRT1080
- **Compuprint SP40plus Display LAN**: PRT1080-LAN
- **Compuprint SP40plus Display Dual USB**: PRT1082
- **Compuprint SP40plus Display Dual Serial**: PRT1086
- **Compuprint SP40plus Display MSRW-MCR**: PRT1080
- **Compuprint SP40plus Display Scanner**: PRT1081
- **Compuprint SP40plus Display Scanner-MSRW-MCR**: PRT1082
- **Compuprint SP40plus Display Scanner-RGB (8R+8G+8B)**: PRT1083
- **Compuprint SP40plus Display Scanner-RGB (8R+8G+8B) – MSRW-MCR**: PRT1084

**Consumables**
- **#9 Black Ribbons – 5 M**: PRT90240-5
- **#9 Black Ribbons – 10 MC**: PRT90232-5
- **#9 Black Ribbons – 16 MC**: PRT90234-5

**Compuprint S.r.l.**
Via Cottolengo 77
10072 Caselle TO (Italy)

**Contact**
Tel. +39 011 9892141/133
Fax +39 011 9974432
sales@compuprint.com
www.compuprint.com

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A new standard for

Front Office and Financial applications

The Compuprint SP40 offers our most innovative product on the market to date. The SP40plus is designed to provide print speed, versatility, and advanced solutions for banking, financial services, postal, and public administration sectors. By assuring process efficiency and offering a competitive low cost of ownership, the SP40plus is the ideal choice for delivering high productivity, durability, simplicity, and flexibility.

Document Handling.
The SP40plus is capable of handling a wide range of media formats and thicknesses, including a single sheet up to A4 size, cheques, vouchers, multi-copy forms, passbooks, ID cards, and tickets. Additionally, the superior document handling (Auto-Alignment, and AGA) of the SP40plus ensures that any document with a variable thickness of up to 2.7mm, inserted in either landscape or portrait orientation, will be printed quickly and efficiently. An optional model is also available for handling continuous fanfold paper.

Low Cost of Ownership
With long lasting print ribbons that yield more than 10 million characters each, and high-endurance print heads capable of yielding more than 400 million characters (the equivalent to more than 1 Billion strokes/wire), the SP40plus assures a high MTBF, with fewer technical interventions, at the lowest total cost of ownership.

Check Fraud Detection – U.V. and I.R. technology

Due to changes in security measures with checks involving the use of UV and IR ink, a simple physical verification of each check in no longer sufficient in today’s financial environment. Compuprint, with their latest SP40plus, offers a culmination of constant innovation and cutting edge technology, to improve the level of their customer’s fraud detection while maintaining check processing efficiency.

The special imaging software, comes embedded on SP40plus scanner models, and is compliant with the latest Italian Banking Association guidelines on anti-fraud measures for micro-perforated checks. For further banking applications, the SP40plus offers magnetic ink character recognition (MICR) support for CMCG and E13B standards, and magnetic strip read and write (MSRW) capabilities that cover all of the implemented standards (i.e. DIN 32774, Borroughs etc.).

The Advantages of Technology

Valued Features
- Reliable, fast and powerful
- Compact and elegant design
- Secure document handling and fast transaction time
- User friendly machine interface with LCD
- Ribbon life >10MChrs and Print Head life more than 400MChrs (> 1 Billion strokes)
- 1 original + 6 copies
- Fully compatible with today’s financial applications
- Ready to support new applications (scanning and MICR/MSR reading)
- Wide connectivity including LAN, USB Hub and USB Host for external devices
- Easy to configure by configuration sheet or remote management
- Special version with rear tractor

Options
- The SP40plus is an incredibly versatile platform that allows for the base model to be configured to satisfy a number of different applications, including the following options:
  - Dual-sided scanner (600 dpi resolution at 24 bit colour), capable of scanning up to A4 size documents;
  - A MICR-MSRW device that can handle Read/Write functions to magnetic stripes on passbooks, and recognize MICR code CMCG and E13B on cheques;
  - An optional rear tractor to allow the base model to manage fanfold paper.

Easy Integration and Use
- The Compuprint SP40plus has a simple, user-friendly interface, and an integrated mechanical design that allows the user complete access to the paper path in order to clear documents and clean the internal device itself.
- The SP40plus utilizes emulation types that are both standard to printers and to the financial industry, making it plug and play in almost any IT environment. For easy connection with other devices, its standard interfaces are Serial, Serial and USB 2.0 (full speed), however, the available optional interfaces include: LAN, dual serial, dual USB, up to 3 USB 2.0 Hub ports, and USB Host.

I.Q.A. (Image Quality Assurance)
In addition to UV and IR detection, the SP40plus scanner software utilizes PDF/A format, an internationally recognized format standard (ISO 19005), that provides I.Q.A. (Image Quality Assurance) through 14 different tests (i.e. image size, brightness, folded corners, etc.) during the image acquisition of checks. This assures the teller of quality check images, with less user intervention and productivity loss.