Compuprint
Printing and Scanning Solutions

Compuprint SP40 *plus* - Transactional Multifunction Printer

Technical Data

Printing Technology	Impact Dot Matrix 24 pin
Print Speed (@ 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 @12cpi, 141 columns @15 cpi
Horizontal Spacing	5, 6, 7.5, 8.5, 10, 12, 15, 16,6, 17.1, 20, 24 cpi and proportional
Paper Handling	Single sheet, envelopes, label: thickness 0,065 ÷ 0,65 mm, weight 40 gr/m² ÷ 200 gr/m²
	Passbook (horizontal and vertical): thickness up to 2,7 mm
	Size (wxh): 65 x 65 mm (min) 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 dpi – 72, 90, 180, 216, 360 vertical dpi
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, IBM4722,
	Epson LQ2550/LQ1170/ESC P, Olivetti PR40plus/PR2/PR2845, IBM9068,
	HPR4915, UNISYS EFP Series
Interface	Standard: Parallel, Serial RS-232 C (DB9), USB 2.0 Full Speed, Automatic switching
	Optional: 2nd Serial, 2nd USB device High Speed, Ethernet 10/100, up to 3 USB
	ports, USB Host (2.0 Full Speed OHCI)
Input Buffer	Up to 256 KB – Flash Memory 4 MB – SDRAM 16 MB
Drivers	Windows 2000, WinXP, Vista (32/64), Windows 7/8/10 (32/64), Win2003 (32/64),
	WinServer 2008 (32/64), Scanner (32/64), Twain, Unix, Linux (Ubuntu 32/64)
Reliability	MTBF> 10.000 hours
Print Head	24 needles, life > 400 million characters (equivalent to > 1 Billion strokes/wire)
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	960 (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,
	Twain compatible, scan size from ID card to A4, I.R and U.V. detections available on specific versions
	Scanning speed (F/R) up to 15 inch/sec Mono, up to 7,5 inch/sec Colour
Msrw	Magnetic strip Read/Write, 4 bit code, Reading speed 13 inch/sec
	Character: ASCII 30-3F, Field duplication, DIN32774, ANSI, IBM3604, Borroughs
Micr	Micr reader: reading speed 27 inch/sec, CMC7 and E13B supported
Tractor	Specific version with rear tractor for fanfold (max width 9,45 inch)

Product Models

Compuprint SP40*plus* w/o Display	PRT0620
Compuprint SP40*plus* Display	PRT0626
Compuprint SP40*plus* Display LAN	PRT0626-LAN
Compuprint SP40*plus* Display Dual USB	PRT0627
Compuprint SP40*plus* Display Dual Serial	PRT0628
Compuprint SP40*plus* Display MSRW-MICR	PRT0630
Compuprint SP40*plus* Display Scanner	PRT0631
Compuprint SP40*plus* Display Scanner-MSRW-MICR	PRT0632
Compuprint SP40*plus* Display LAN with Rear Tractor	PRT0626-T
Compuprint SP40*plus* Display Scanner (RGB+IR) – MSRW.MICR	PRT0634
Compuprint SP40*plus* Display Scanner (RGB+IR+UV) – MSRW.MICR	PRT0636

Consumables

#6 Black Ribbons – 4 MC	PRKN6240-6
#6 Black Ribbons – 10 MC	PRKN6287-6
#6 Black Ribbons – 16 MC	PRKN6290-6 (On Request)

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GDS Compuprint

Compuprint
Printing and Scanning Solutions

A truly 'state of the art'
Transactional Multifunction Printer
For Front Office and Financial Applications

COMPACT
MODERN DESIGN
FAST AND RELIABLE
LOW COST OF OWNERSHIP
LOW POWER CONSUMPTION

Compuprint SP40 *plus*

Environmentally Friendly

A new standard for

Front Office and Financial applications

The Compuprint SP40plus, 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.

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:
A 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 CMC7 and E13B on cheques;
and 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 innovative 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 Parallel, 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.

With the combination of the multi-function passbook printer and scanner

Compuprint SP40 plus
Printing and Scanning Solutions

Revolutionising the document processing with a secured solution that offer space, time and cost saving for your business
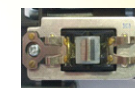
The Compuprint **SP40plus** offers a "Swiss Army Knife" solution for front office and financial users. Its space saving design eloquently combines both printing and scanning capabilities, allowing the user to quickly print, scan and database signed documents for later retrieval in the document management system.
This allows the user to compare scanned signatures against the internal database for added security and trust. The dual sided scanner can handle a wide range of documents of up to a maximum page height of 20 inches.
The scanner also allows for RGB, ultraviolet and infrared scanning capabilities and complies with all of 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 CMC7 and E13B standards, and magnetic strip read and write (MSRW) capabilities that cover all of the implemented standards (i.e. DIN 32774, Borroughs etc.).

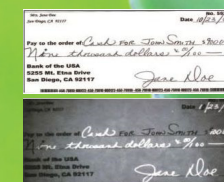## Check Fraud Detection – U.V. and I.R. technology

Normal Scanning

UV Scanning

Highlight of suspected fraud

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.

With an integrated C.I.S. (contact image scanner) for both ultraviolet (UV) and infrared (IR) light, the **SP40plus** scanner can detect ink in critical areas, that is otherwise invisible to the user. Areas such as the signature box, code line, payable amount and bank logo, can be scanned in a single pass to immediately identify a fraudulent check. As both UV and IR are not visible to the human eye, special software is used to image these inks into the visible spectrum.

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, including having the backside of the check image unequivocally attributable to the matching front.

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.