



LAN User Manual

SP40 *plus*

MAN 10244-01

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Compuprint Product Information

Thanks for choosing the Compuprint SP40plus printer.

Your printer is a reliable working equipment that will be very useful in your daily job.

Our printers have been designed to be compact and respectful of the work environment. They offer a wide range of features and multiple functions that confirm the high technological level reached by Compuprint printers.

To maintain these printing performances unchanged in the long run, Compuprint has developed its own specific branded consumables for each printer type (for example: ribbon cartridges for dot matrix printers, toner and OPC cartridges for laser printers, bubble ink jet cartridges for inkjet printers) that assure an excellent operation with high printing quality level reliability.

Compuprint recommends to use only its original Compuprint branded consumables with original packaging (identified by its holographic label). In this way, a proper use of the printer at quality level stated in the product characteristics can be assured. All typical usage problems related to not certified consumables may be avoided, such as an overall quality print level degradation and, often, the reduction of the product life due to the fact that the proper working conditions for the print heads, OPC cartridge and other printer parts are not assured.

Moreover, Compuprint does not only certify its consumables in terms of working conditions but also carefully controls their compliance with the international standard rules concerning:

no cancerous materials;

no flammability of the plastic materials;

other standards

Compuprint advises the customers not to use products for which the compliance to this safety rules are not warranted. Finally seek your dealer or contact a COMPUPRINT office and be sure that are provided you the original Compuprint branded consumables.

FCC Notes

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

A shielded Centronics IEEE1284 compliant bi-directional parallel cable, maximum length 3 meters (10 feet), and a shielded RS-232 serial cable, maximum length 15 meters (50 feet), are necessary for this device to meet the requirements of a Class B digital device pursuant to part 15 of the FCC rules.

The above specified cables are readily available as Personal Computer or Peripheral accessories from multiple retail outlets. Please consult your dealer for details concerning such cables and also for information about FCC rules for digital devices.

Changes or modifications to the device covered by this manual, which are not expressly approved by the party responsible for compliance, could void the user's authority under the FCC rules to operate the equipment.

Canadian D.O.C. Radio Interference Regulation

This digital apparatus complies with the Canadian ICES-003 Class B limits for radio frequency emissions.

Cet appareil numérique est conforme aux limites de Classe B de la norme NMB-003 du Canada.

EEC Regulations

This equipment conforms to the essential requirements of EU Directives 2006/95/EC, 2004/108/EC.

Per the applicable requirements of EU Directive 2006/42/EC ("machines") sound pressure of this product (measured according to EN27779) does not exceed 70 dBA.

This product is also compliant to the EU directive 2002/95/EC (RoHS) and 2002/96/EC (WEEE).

Ethernet 10/100Base-T Connection

Installation Guide

Visit the website <http://www.compuprint.com>
for the latest information drivers and firmware

Chapter 1 Introduction

1.2 General Information

The following information concerns the specific characteristics of the Compuprint SP40plus printer using the LAN (Local Area Network) connection.

Compuprint printers can be supplied with one Ethernet 10/100Base-T port for LAN connection providing a simple and efficient network printing solution.

For any other information, please refer to the printer's User Manual included in the Documentation & Driver. CD-ROM

1.2 LAN specifications

The SP40plus has a built-in LAN 10/100T print server. In this table are described the main characteristics.

Features
<ul style="list-style-type: none"> • 10/100T print server • 4 Mbyte Flash / 16 Mbyte SDRAM • Base printer and Print Server remote software upgrade using FTP • Printer status notification through e-Mail notification or Web Page Update • Standard MIBs objects • Private SNMP MIB objects • Auto IP-assignment using DHCP
Configuration / Management
<ul style="list-style-type: none"> • Web server through http • HP WebJetAdmin accessible à • IBM Network Printer Manager compatibility
Networks Protocols
<ul style="list-style-type: none"> • Ethernet II, SNAP, 802.2-802.3 and following • TCP/IP (UDP, ARP, RARP, ICMP, PING, BOOTP, DHCP, FTP) • TELNET • SMB/NetBIOS • SMTP • LPR/LPD • Direct access printing (9100) • http
Operating Systems
<ul style="list-style-type: none"> • Microsoft Windows NT 4.0, 2000, XP, Vista, Windows7 (32 and 64 bits) • Unix: Solaris 2.5, Sun OS, IBM AIX 4.x-5.x, SCO, AT&T Sys V • Linux
Software Tools
<ul style="list-style-type: none"> • LPR/9100 Port Monitor for Microsoft Win 9x, ME, NT 4.0, 2000, XP, Vista, Windows7 (32 and 64 bits) • Installation shield script for Unix and Linux environment
Remote Management
<p>The LAN is remotely accessible trough the following services/application software:</p> <ul style="list-style-type: none"> • Web Server through http service. • Compuprint Remote Printer Management Utility (NetViewMaster application) through SNMP-MIB2 compatible protocol. (Standard MIB plus private MIB objects)

Table 1 LAN Specifications

Code Updating

The code of the printer can be downloaded through the LAN by using:

- FTP protocol.
- Compuprint NetViewMaster application (see notes).
- Standard Centronics or USB Interface on the base printer (see notes).

Printer Status and error reporting

The printer states reported by the LAN are:

- READY
- NOT READY

States are notified updating the Web Page.

Printer error conditions traced by the LAN are:

- PAPER OUT
- PAPER JAM
- COVER OPEN
- MACHINE CHECK (Carriage fault, ribbon blocked,...)

Errors are send either through e-mail to the printer administrator or updating the Web Page.

In addition the Compuprint NetViewMaster application is capable to display both printer status and error conditions. Moreover with this tool OP Panel keys and messages can be remotely handled.

Table 1 LAN Specifications

Notes:

The Compuprint NetViewMaster application will allow the downloading of custom configuration and firmware to a selected single printer or automatically to a selectable group of printers found on the network. Refer to specific NetViewMaster User Manual for further details.

Downloading through the Centronics port can be done copying a binary code file with 'DOS copy lpt1' command. This procedure supports Windows systems running 3.1, 95, 98, ME, 2000, XP, Vista, NT, Windows7 (32 and 64 bits).

Downloading through the USB port can be done copying a binary code file with 'copycom.exe comx filename.img' program. This procedure supports Windows systems running 2000, XP, Vista, NT, Windows7 (32 and 64 bits).

1.3 Network Parameters

The network parameters can be handled using different ways:

- Using HTTP service. See chapter 6 for details.
- Using Remote Setup Utility, through Serial or USB Interfaces. See basic User Manual.
- Using Compuprint NetViewMaster application. See specific NetViewMaster User Manual.
- Using the SNMP-MIB2 compatible protocol; Standard MIB plus private MIB objects. See chapter 7 for details.

The available parameters for LAN configuration are:

MAC Address
It is the hardware address of the LAN (it is read only)
HTML Contact
This function allows to create the name of the html contact using a 14-character string. Default is www.compuprint.com.
Host Name
The host is identified by a name in the NetBios protocol over TCP/IP. This function allows to create the name of the host using a 14-character string. Default is GDS_xxxxxx where xxxxxx are the last 6-digits of the MAC address.
Workgroup Name
The workgroup is identified by a name in the NetBios protocol over TCP/IP. This function allows to create the name of the workgroup using a 14-character string. Default is P_NFFPS_TO.
Location Name
This function allows to create the name of the location using a 14-character string. Default is No location.
Contact Name
This function allows to create the name of the contact using a 14-character string. Default is No contact.
IP Address Assignment
Fixed: Assigns the static or fixed IP address. DHCP: Assigns the dynamic IP address (DHCP protocol). Default value.
IP Address
These values set the IP Address. The address is represented by a decimal notation where the decimal values are divided by points in four fields. Each field ranges between 0 and 255. Default is 127.000.000.000.
Subnet Mask
These values set the Subnet Mask number. This number is represented by a decimal notation where the decimal values are divided by points in four fields. Each field ranges between 0 and 255. Default is 255.255.254.000.
Default Gateway
These values set the Default Gateway address. This address is represented by a decimal notation where the decimal values are divided by points in four fields. Each field ranges between 0 and 255. Default is 000.000.000.000.
SMTP Service
Disabled: Disables the SMTP (Simple Mail Transfer Protocol) service, that is disables the reception/transfer/error service of the e-mail. Enabled: Enables the SMTP service, that is enables the reception/transfer/error service of the e-mail. Default is Disabled.

Table 2 Network Parameters (available for configuration)

Mail Server Address
These values set the mail server address. This number is represented by a decimal notation where the decimal values are divided by points in four fields. Each field ranges between 0 and 255. Default is 000.000.000.000.
NOTE: Item selection on the printer menu allowed only if the “SMTP Service” function choice is Enabled.
E-mail Address (Sender)
This function allows to write the sender e-mail address using a 48-character string. Default is an empty string.
E-mail Address (Receiver)
This function allows to write the e-mail address where you can notify the failures using a 48-character string. Default is an empty string.
NOTE: Item selection on the printer menu allowed only if the “SMTP Service” function choice is Enabled.
HTTPD Service
Disabled: Disables the HTTPD (Hypertext Transfer Protocol) service, that is disables Printer WEB Page. Enabled: Enables the HTTPD service, that is enables Printer WEB Page. Default is Enabled.
SMBD Service
Disabled: Disables the SMBD (Server Message Block) service, that is disables sharing files. Enabled: Enables the SMBD service, that is enables sharing files.. Default is Enabled.
NOTE: Item selection on the printer menu allowed only if the “SMTP Service” function choice is Enabled. The LAN card has also an extra set of programmable fields set to their default values and not configurable at the user level.
TELNET Service
Disabled: Disables the TELNET service, that is disables bidirectional interactive text-oriented communications facility using a virtual terminal connection. Enabled: Enables the TELNET service, that is enables bidirectional interactive text-oriented communications facility using a virtual terminal connection . Default is Enabled.
FTP Service
Disabled: Disables the FTP (File Transfer Protocol) service, that is disables copy a file from one host to another over a TCP-based network. Enabled: Enables the FTP service, that is enables copy a file from one host to another over a TCP-based network. Default is Enabled.
LPR Service
Disabled: Disables the LPR (Line Printer Remote protocol) service, that is disables network protocol for receiving print jobs to a remote host.. Enabled: Enables the LPR service, that is enables network protocol for receiving print jobs to a remote host.. Default is Enabled.
DIRECTIP Service
Disabled: Disables the DIRECTIP service, that is disables Direct IP Printer Sharing. Enabled: Enables the DIRECTIP service, that is enables Direct IP Printer Sharing . Default is Enabled.
SNMPD Service
Disabled: Disables the SNMPD (Simple Network Management Protocol) service, that is disables use of MIB. Enabled: Enables the SNMPD service, that is enables use of MIB. Default is Enabled.

Table 2 Network Parameters (available for configuration)

These network parameters can be handled using:

- Windows drivers:

TCP Port Number
Number for the logical I/O port on the print server used for direct socket printing. The number ranges between 0 and 9999. Default is 9100.
LPR Port Number
Number for the logical I/O port on the print server used for LPR printing. The number ranges between 0 and 999. Default is 515.
Telnet Port Number
Number for the logical I/O port on the print server used by Telnet application. Default is 23.
FTP Port Number
Number for the logical I/O port on the print server used for a FTP session. Default is 21.

Table 3 (not available for configuration)

SELF TEST

SP40plus : Code Version v1.16 FW00045 CharGen : 78411902 ver.4.07
 SERIAL NUMBER : RHS-S81-00160

CONFIGURATION SETUP

DISPLAY LANG.	English	BUFFER CONTROL	DTR+RTS
PROGRAM	progr.1	ROBUST XON	enabled
ERROR BUZZER	enabled	WORD LENGTH	8 bit
JOB BUZZER	no beep	BAUD RATE	9600 bps
COPIES	no	PARITY BIT	none
LOW NOISE	no	STOP BIT	1
SAFE BOTTOM EDGE	yes	USB MODE	2.0
GET EDGE QUOTE	1/4"		
PASSBOOK TYPE	sw control fixed thick		
INTERFACE TYPE	automatic		
IBM FINANCIAL	no		
INPUT BUFFER	8 Kb		
AUTOFEED SIGNAL	disabled		
SLCT-IN SIGNAL	disabled		
IGNORE PE	enabled		
RIBBON LIFE (7f)	76K chars	PRINT HEAD LIFE	2863586K chars

PROGRAM SETUP

	PROGRAM 1	PROGRAM 2	PROGRAM 3	PROGRAM 4	
PROTOCOL	IBM X24E	OLI. PR2	IBM X24E	EPSON 570	
FONT	Draft	Draft	Draft	Draft	
QUALITY MODE	lq	lq	lq	lq	
DRAFT MODE	draft	draft	draft	draft	
DOWNLINE LOADING	enabled	enabled	enabled	enabled	
HORIZONTAL PITCH	10 cpi	10 cpi	10 cpi	10 cpi	
VERTICAL PITCH	6 lpi	6 lpi	6 lpi	6 lpi	
LOCK	no lock	no lock	no lock	no lock	
FORM LENGTH	A4 70	A4 70	A4 70	A4 70	
LEFT MARGIN	0	0	0	0	
RIGHT MARGIN	93	93	93	93	
TOP MARGIN	0	0	0	0	
BOTTOM MARGIN	0	0	0	0	
IBM C-SET	IBM set 1	IBM set 1	IBM set 1	IBM set 1	SMBD
IBM COMPRESS	17.1 cpi	17.1 cpi	17.1 cpi	17.1 cpi	TELNET
EPSON C-SET	graphic	graphic	graphic	graphic	FTP
NATION C-SET	USA	USA	USA	USA	LPR
CODE PAGE	CP437	CP437	CP437	CP437	DIRECTIP
OLIVETTI C-SET	INTERN.	INTERN.	INTERN.	INTERN.	SNMPD
OLIVETTI COMPRES	17.1 cpi	17.1 cpi	17.1 cpi	17.1 cpi	
VERT. RESOLUTION	1/240 inch	1/240 inch	1/240 inch	1/240 inch	
PRINT DIRECTION	sw control	sw control	sw control	sw control	
LINE MODE	LF=LF,CR=CR	LF=LF,CR=CR	LF=LF,CR=CR	LF=LF,CR=CR	
WRAP MODE	autowrap	autowrap	autowrap	autowrap	
REFERENCE EDGE	left	left	left	left	
SLASHED ZERO	no	no	no	no	
EJECT ON FF	yes	yes	yes	yes	
RESET WITH EJECT	yes	yes	yes	yes	
CUT SHEET EJECT	on front	on front	on front	on front	
VERT.POS 1/10"	0	0	0	0	
VERT.ADJ 1/60"	0	0	0	0	
HORIZ.POS 1/10"	0	0	0	0	
HORIZ.ADJ 1/60"	0	0	0	0	

LAN INTERFACE SETUP

MACADDRESS:	00:06:6D:00:99:00
HTML CONTACT	www.comuprint.com
HOST NAME	GDS_009900
WORKGROUP	P_NFFPS_TO
LOCATION	No location
CONTACT	No contact
IP ASSIGN	fixed
IP ADDRESS	010.125.069.183
NET MASK	255.255.255.000
DEF.GATEWAY	010.125.069.250
SMTP	disabled
MAIL SERV.ADD.	000.000.000.000
SENDER ADDRESS	No address
DESTIN.ADDRESS	No address
HTTPD	enabled
SMBD	enabled
TELNET	disabled
FTP	disabled
LPR	enabled
DIRECTIP	enabled
SNMPD	enabled

Figure 1 SELF TEST printout

1.4 Interface Ports

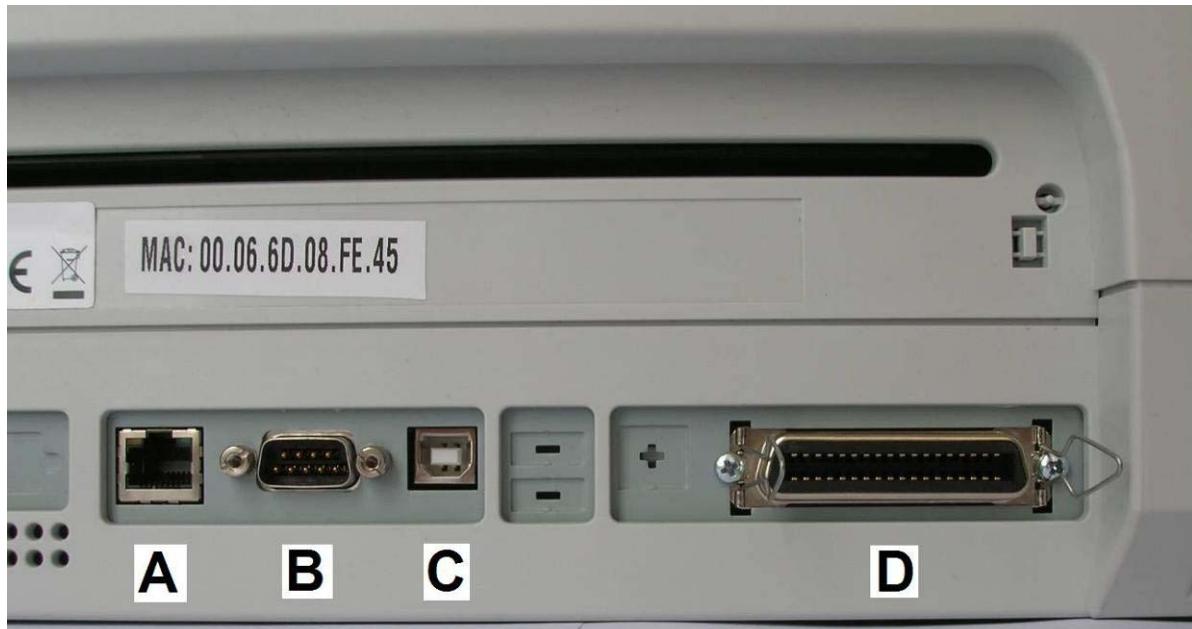


Figure 2 Ports position

The interface ports are located on the rear of the printer:

- A. LAN Interface Port (associated to PROGRAM 4)
- B. Serial Interface Port (associated to PROGRAM 3)
- C. USB 2.0 Port (associated to PROGRAM 2)
- D. Parallel Interface Port (associated to PROGRAM 1)

LED Indicators for LAN port:

1. Green 10/100Mbit/sec. Transmission Speed Led
2. Yellow Traffic Led

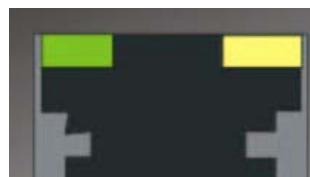


Figure 3 LAN Connector

Chapter 2 Windows Environment

2.1 General Informations

In the Local Area Network printing environment, the PCs can share a printer, that is, different users can use the same printer.

Software installation must be carried out on every PC requiring access to the Compuprint printer.

For the communication between the PCs and the Compuprint printer is necessary that the same LAN protocol is used for all connected devices: the TCP/IP or the NetBEUI protocol in a Windows environment

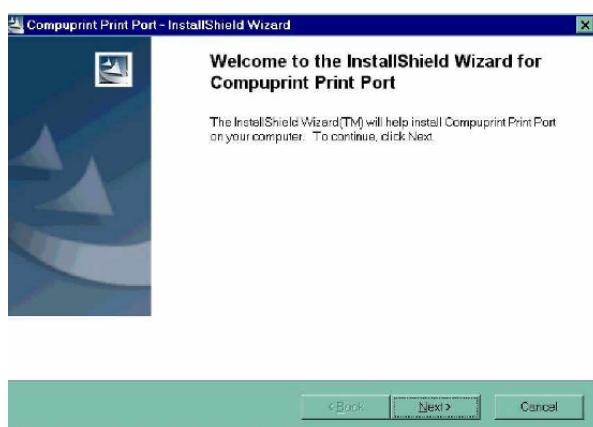
2.2 Software Installation & Configuration in Windows 98 Environment

2.2.1 Port Installation

Check that the Printer is powered on and the Green Power led of the LAN Interface Port is lit.

Insert the CD-ROM labeled *Documetation & Driver*.

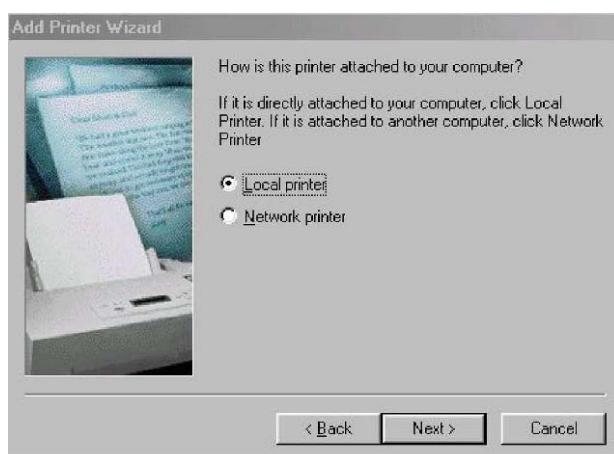
1. Run the “Compuprint PP” program from the Drivers\Microsoft\PrintPort directory.
The Compuprint Print Port Install Shield Wizard screen appears:



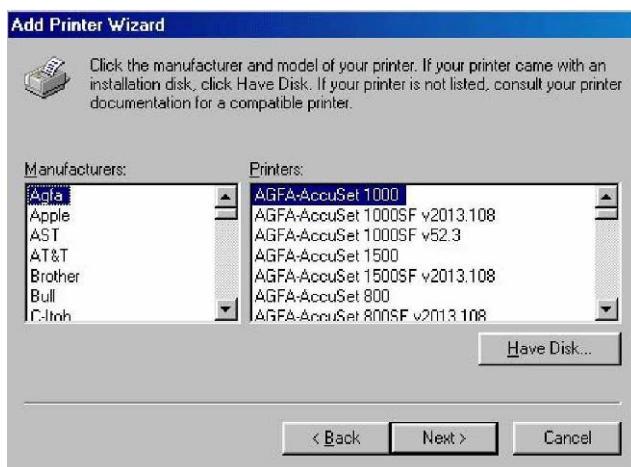
2. Follow the Compuprint Print Port Setup program instructions.
This program installs the Compuprint print port.

2.2.2 TCP/IP Protocol - Printer Installation

1. Go to “Start-Settings-Printers” on you PC.
2. Invoke the “Add Printer Wizard”. Click Next button. The following screen appears:



3. Select “Local printer” and click Next button. You will see the “Printers” list option.



4. If the printer is not listed and the printer comes with the installation disk. Click *Have Disk* button. The “Install From Disk” screen appears:



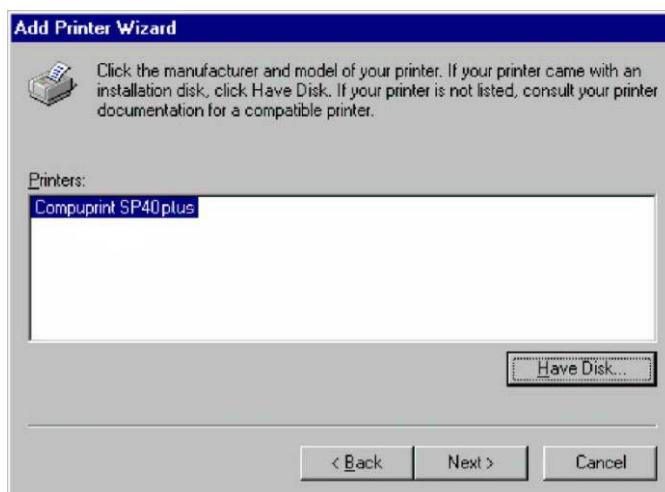
5. Insert the CD-ROM labeled Documentation & Driver into the drive. Click Browse button. The “Open” screen appears. Go to the \drivers\microsoft\win98 folders and select the total.inf file.



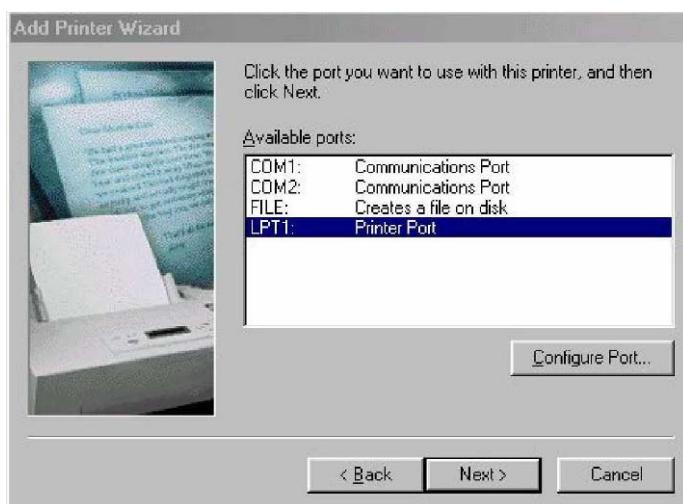
6. Click OK button. The following screen appears:



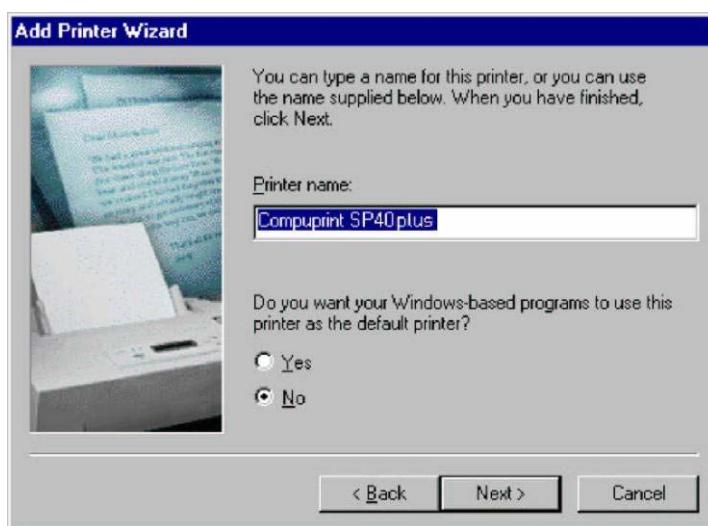
7. Click OK button. Select “Compuprint SP40plus” printer.



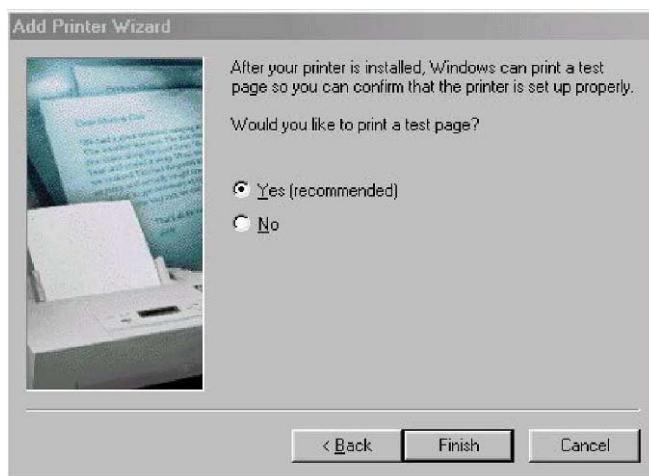
8. Click Next button. Click the "LPT1" port to use with this printer and then click Next button again.



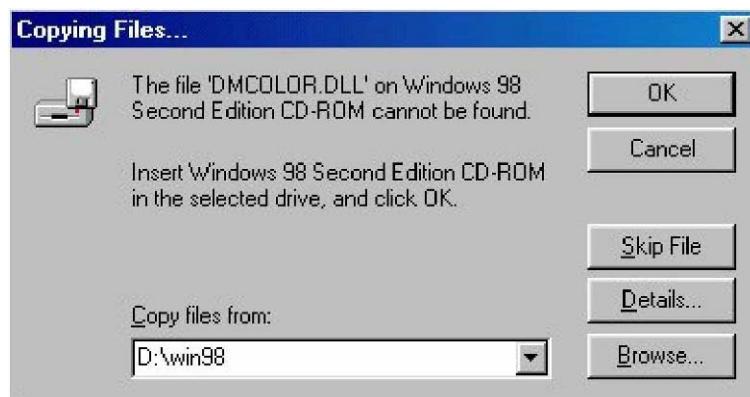
9. Type the name for this printer in the "Printer Name" screen. Click Next button.



10. The “Print Test Page” screen appears. If you want to print the test page, select Yes, then click Finish button to end the procedure.



If there are not installed Windows 98 files useful to continue this procedure in your PC, the following screen appears:



Insert the CD-ROM labeled Windows 98 Second Edition into the drive. Click OK button to copy the files. When the files are copied, insert the CD-ROM labeled Documentation & Driver and click OK button.



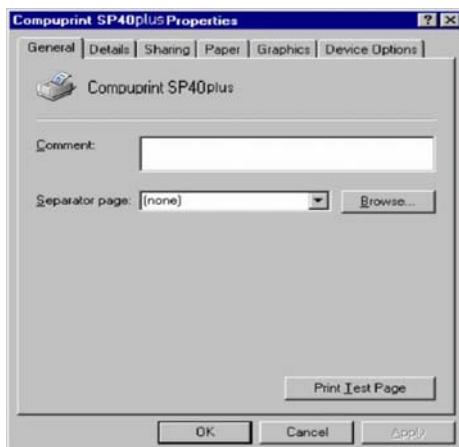
2.2.3 TCP/IP Protocol - Port Configuration

Now configure the port to be connected to the printer.

1. Check in “Printers” window if the “Compuprint SP40plus” printer is installed. Click on “Compuprint SP40plus” icon, then click on File selection on the menu bar. Select Properties.



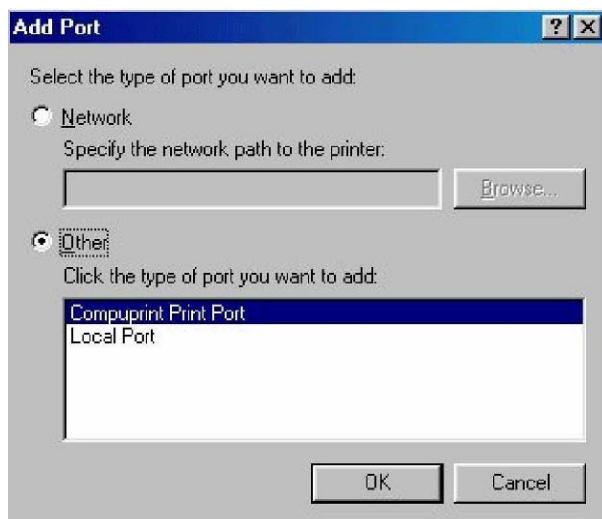
2. The “Compuprint SP40plus Properties” screen appears:



3. Click Details button. In the screen that appears you can select the port to be connected to the printer. Click Add Port button.



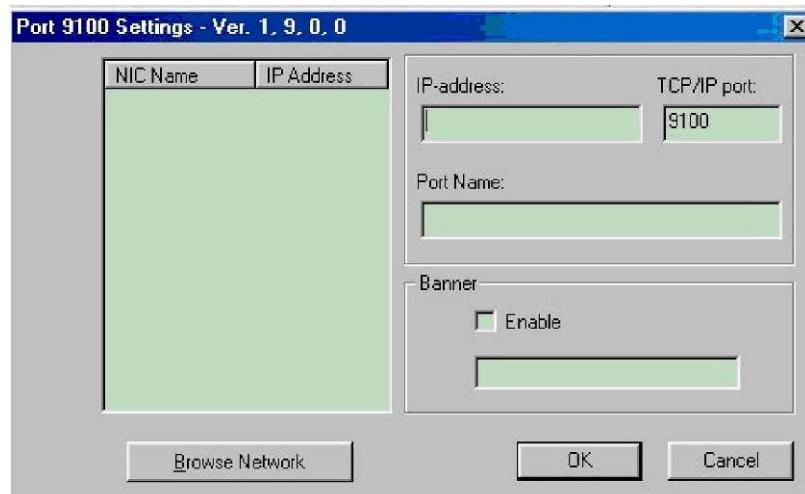
4. The “Add Port” screen appears. Click “Other” selection. Select “Compuprint Print Port “as the port to use. Click OK button.



5. Select “Compuprint Port 9100”. Click OK button to confirm.



6. In the “Port 9100 settings” screen you can configure this port.



To specify the IP-address see the values set in the INIT IP ADDRESS parameter of the LAN INTERFACE item in the Power-On Configuration setup you find in the User Manual included in the Printer Documentation & Drivers CD-ROM.

Then enter a Port Name in the Port Name field. Click OK button to confirm.

If you want to set the default network IP Address and Port name values, click Browse Network button.

- Click Apply button and then OK button to confirm.



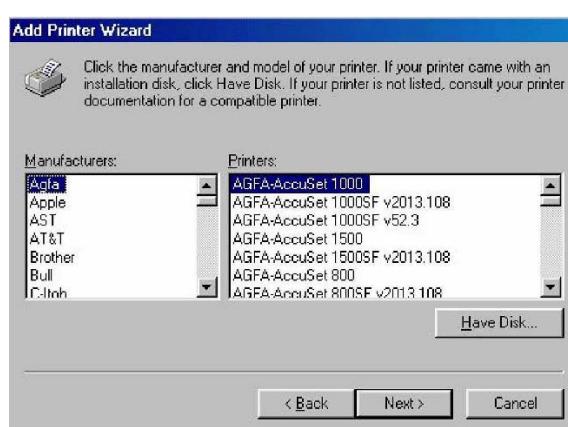
Port configuration is now complete.

2.2.4 NetBEUI Protocol - Printer Installation

- Go to "Start-Settings-Printers" on your PC.
- Invoke the "Add Printer Wizard". Click Next button. The following screen appears:



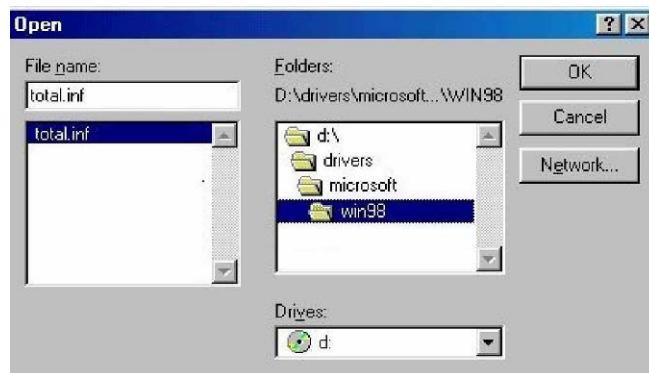
- Select "Local printer" and click Next button. You will see the "Printers" list option.



4. If the printer is not listed and the printer comes with the installation disk. Click Have Disk button. The "Install From Disk" screen appears:



5. Insert the CD-ROM labeled Documentation & Driver into the drive. Click Browse button. The "Open" screen appears. Go to the \drivers\microsoft\win98 folders and select the total.inf file.



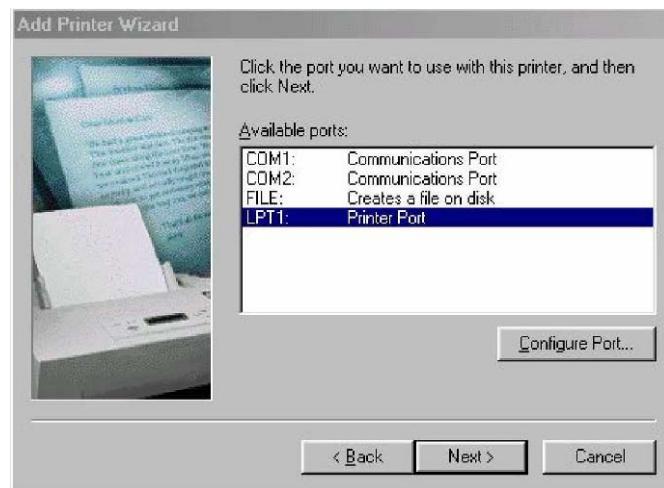
6. Click OK button. The following screen appears:



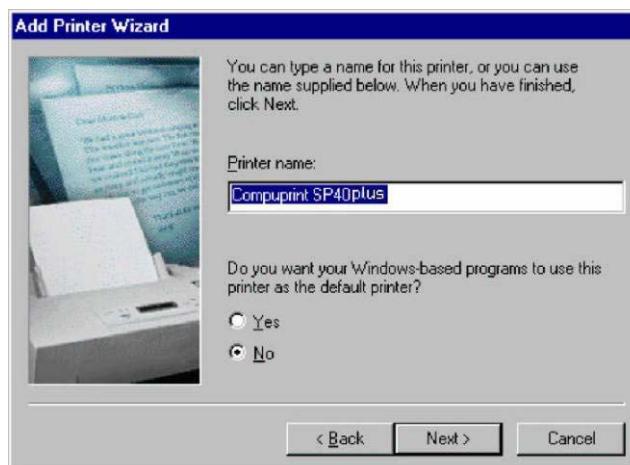
7. Click OK button. Select "Compuprint SP40plus" printer.



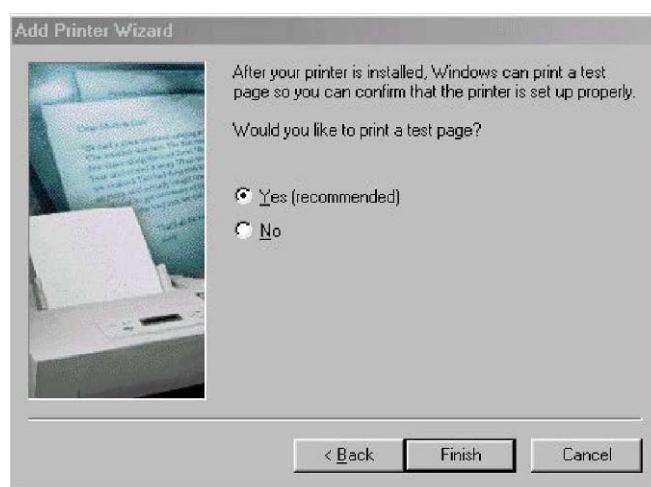
8. Click Next button. Click the “LPT1” port to use with this printer and then click Next button again.



9. Type the name for this printer in the Printer Name field. Click Next button.



10. The “Print Test Page” screen appears. If you want to print the test page, click Yes, then click Finish button to end the procedure.



11. If there are not installed Windows 98 files useful to continue this procedure in your PC, the following screen appears:



12. Insert the CD-ROM labeled Windows 98 Second Edition into the drive. Click OK button to copy the files. When the files are copied, insert the CD-ROM labeled Documentation & Driver and click OK button.



2.2.5 NetBEUI Protocol - Port Configuration

Now configure the port to be connected to the printer.

1. Check in "Printers" window if the "Compuprint SP40" printer is installed. Click on "Compuprint SP40plus" icon , then click on File selection on the menu bar. Select Properties.



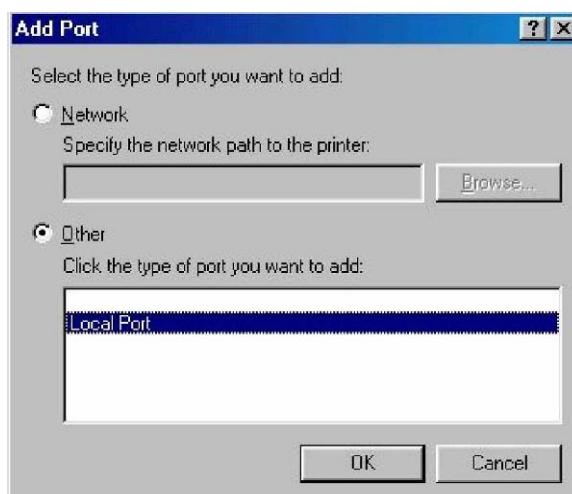
2. The “Compuprint SP40plus Properties” screen appears.



3. Click Details button. In the screen that appears you can select the port to be connected to the printer. Click Add Port button.



4. The “Add Port” screen appears. Click “Other” selection. Select “Local Port” as the port to use. Click OK button.



5. The “Port name” screen appears. Enter a port name in the Port Name field (the port name must be present in the local network as hostname, the print queue as prt1). Click OK button to confirm.



6. Click Apply button and then OK button to confirm.



Port configuration is now complete.

2.3 Software Installation & Configuration in Windows 2000, Windows XP and Windows7 environments.

NOTE:

The following masks are showing the complete procedure to install the SP40plus with a Standard TCP/IP Port under Windows XP. For other languages and other O.S. as well as Windows 2000 and Windows7 O.S. you could find some little changes, but the basic installation is the same.

2.3.1 TCP/IP Protocol - Port Configuration

Check that the Printer is powered on and the Green Power led of the LAN Interface Port is lit.

Insert the CD-ROM labeled Documentation & Driver.

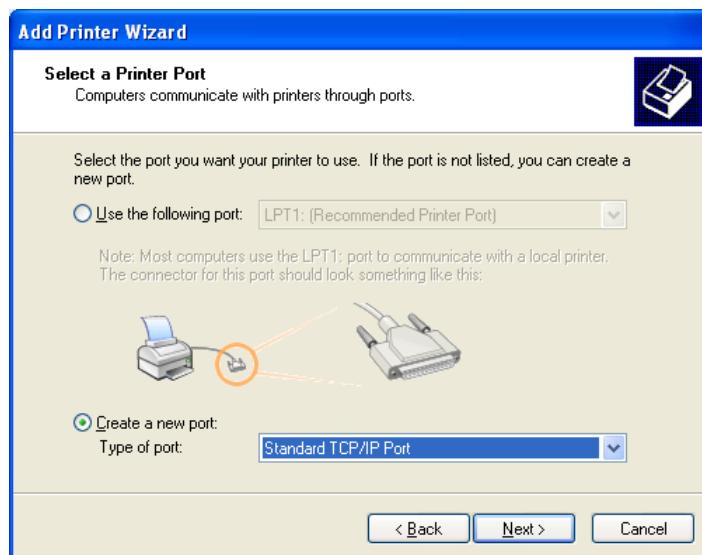
1. Go to "Start-Settings-Printers" on your PC.
2. Invoke the "Add Printer Wizard". The following screen is prompted. Click Next button.



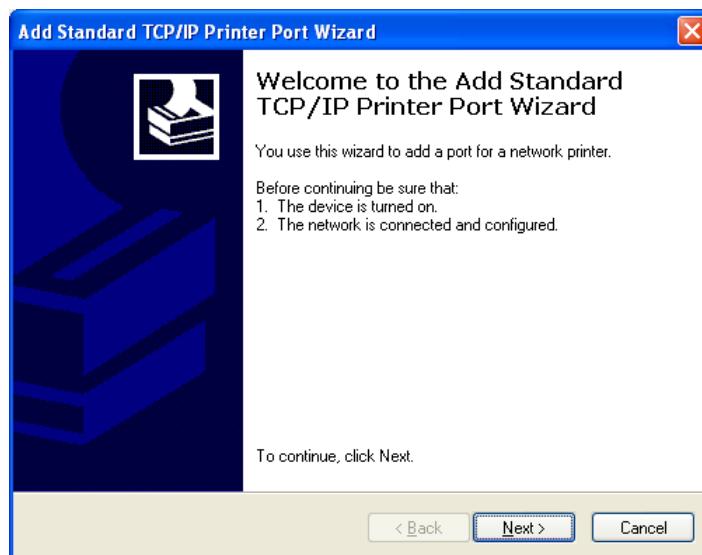
3. The "Local or Network Printer" screen appears, select "Local printer" and click Next button.



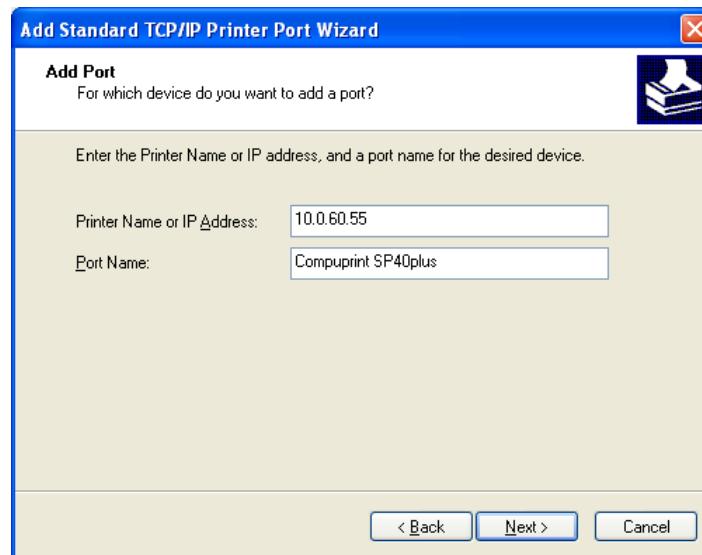
4. In the Select Print Port mask, select “Create a new port” and choose the “Standard TCP/IP Port”. Click on Next button.



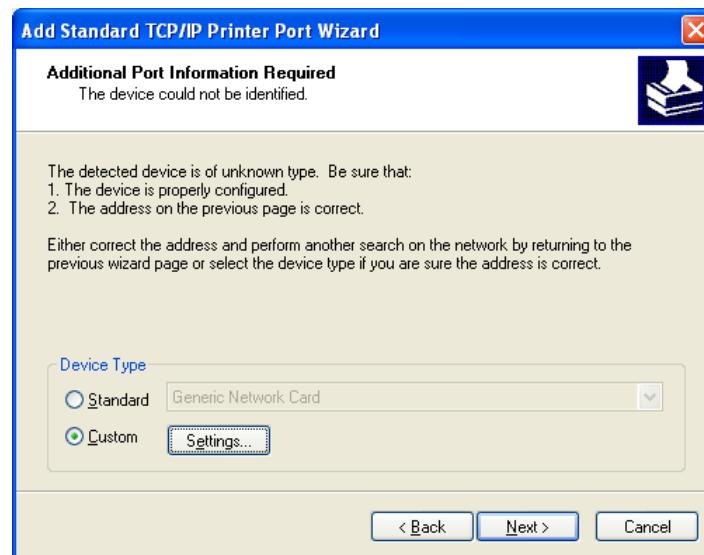
5. The “Add Standard TCP/IP Printer Port” screen appears. Click Next button.



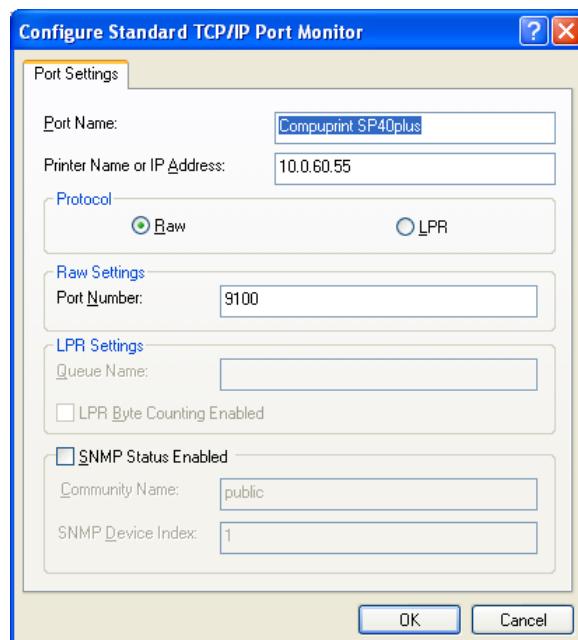
6. Enter Printer Name or IP Address and Port Name in the related fields. Click Next button to confirm.



7. Select “Custom” and click the “Setting” button. Click Next button to confirm.



8. Configure the TCP/IP Standard Port Monitor.
Standard setting are RAW for protocol and 9100 for the Port Number.



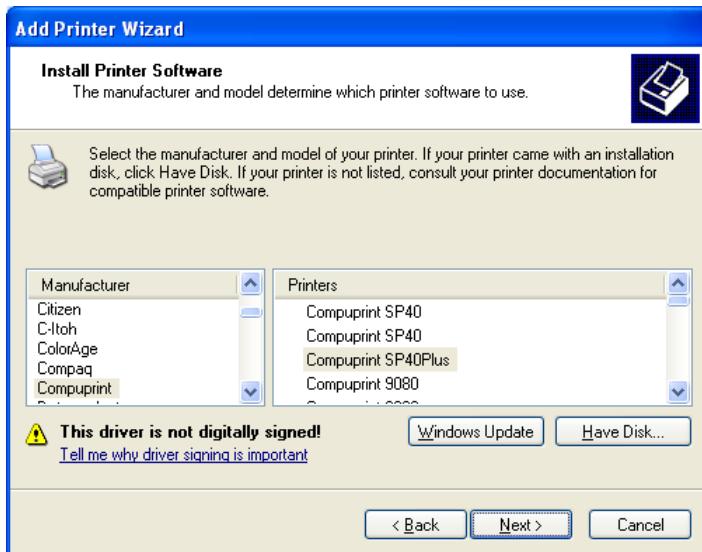
9. Port configuration is now complete.



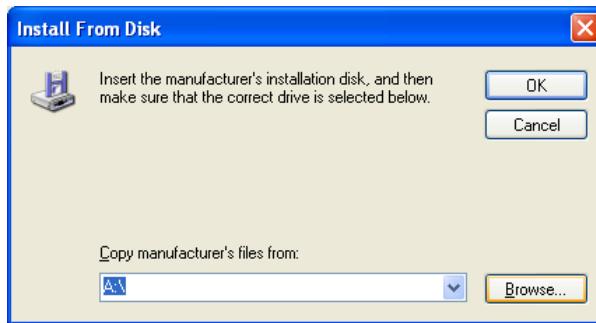
2.3.3 TCP/IP Protocol - Printer Driver Installation

After the port configuration, it is necessary now install the specific Compuprint Driver printer to be connected to the new port.

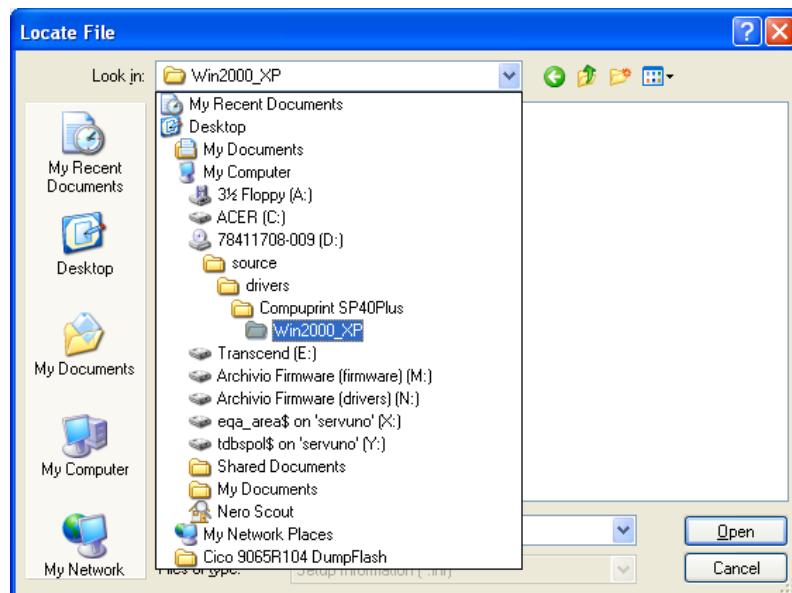
1. You will see the "Printers" list option. If the printer is not listed and the printer comes with the installation disk. Click "Have Disk" button and then Next button..



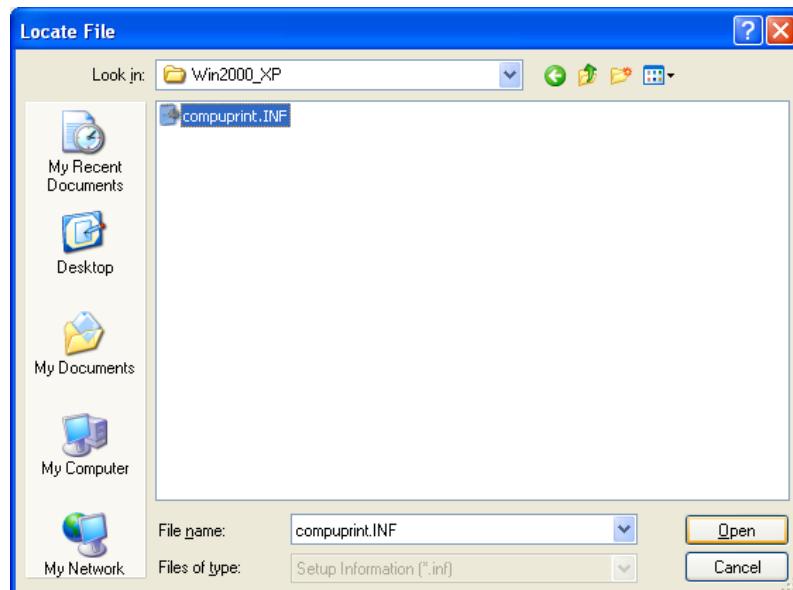
2. The “Install From Disk” screen appears. Click on Browse button to select the source where the driver is present.



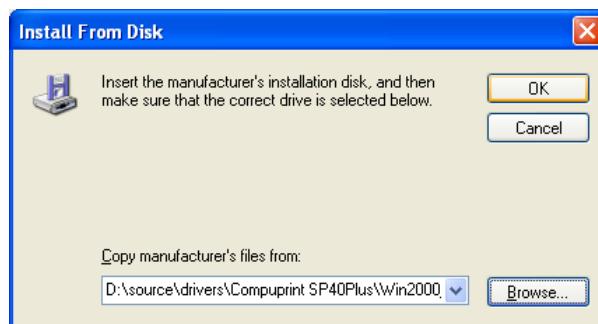
3. Insert the CD-ROM Documentation & Driver into the drive and select the O.S. folder.
4. The example shows the path for WindowsXP.
..\\source\\drivers\\Compuprint SP40Plus\\Win2000_XP.



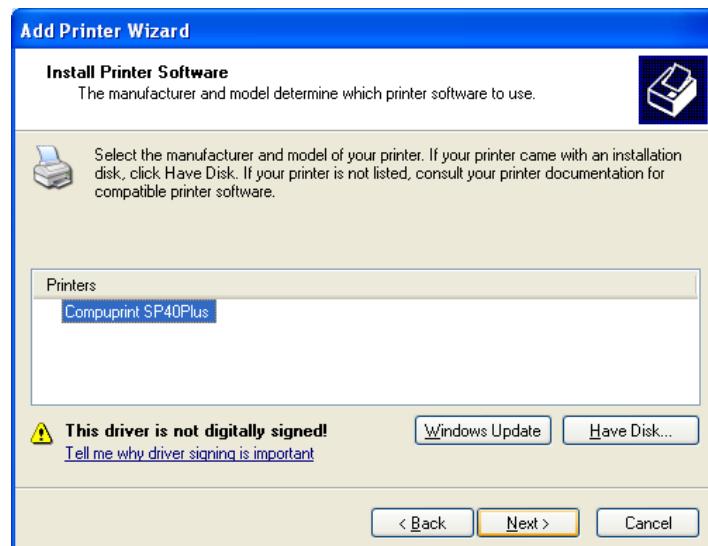
5. Select the compuprint.inf file Click Open button.



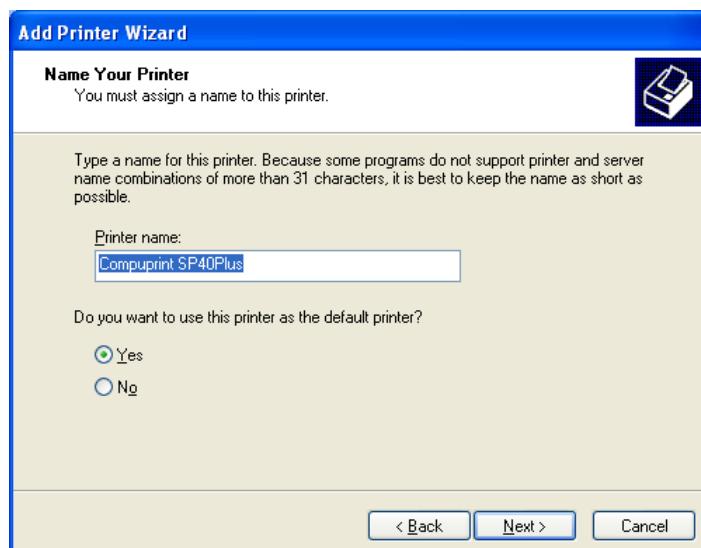
6. Confirm with OK button.



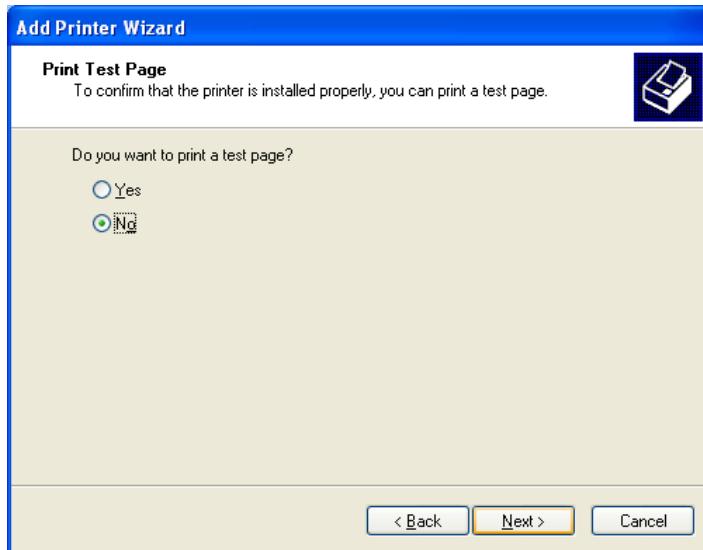
7. Select the SP40plus from the list and then press Next button.



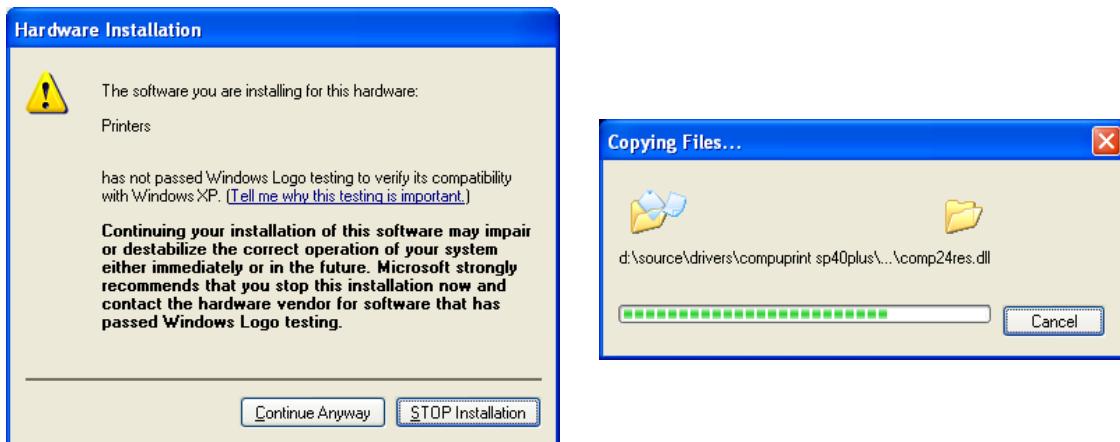
8. Assign a name for your printer (i.e. Compuprint SP40plus).



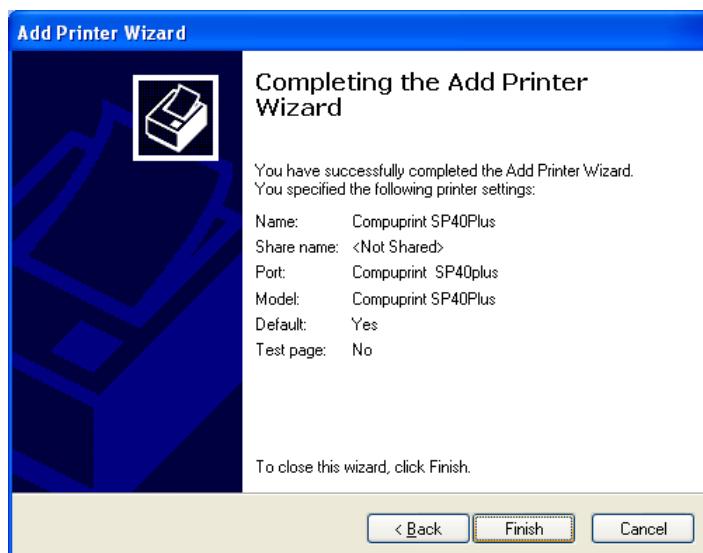
- Click Next button. The “Print Test Page” screen appears. If you want to see the final printer setting configuration, click “Yes”.



- Skip the mask to advise the non-digital signature of the driver and wait for the files to be correctly loaded.



- Click Finish button to end the printer installation procedure.



Chapter 3 UNIX Environment

3.1 General Informations

To configure the printer in Unix environment, you have to run the “`cmpwizard.sh`” script from the `drivers\unix` directory included in this CD-ROM, except for Linus 7.x and Solaris 7.x operating systems described later in this section.

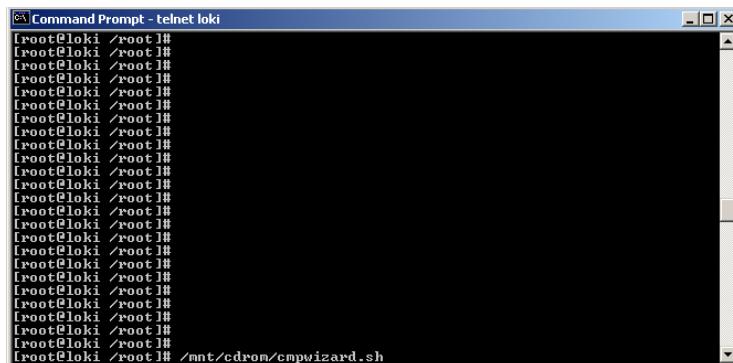
3.2 Port Installation & Configuration

Check that the Printer is powered on and the Green Power led of the LAN Interface Port is lit.

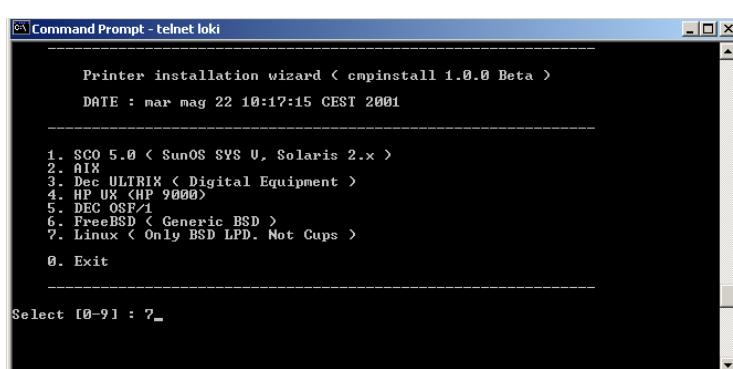
It is necessary to be SUPER USER !

Insert the Compuprint Ethernet LAN CD-ROM.

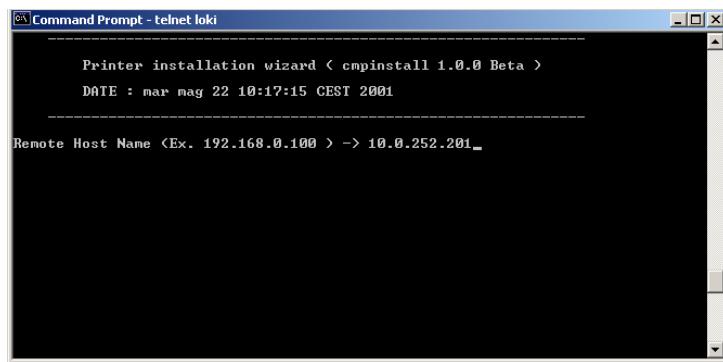
- From the shell bush, run the "cmpwizard.sh" script from the drivers\unix directory included in the CD-ROM labeled Compuprint Ethernet LAN. See the following screen:



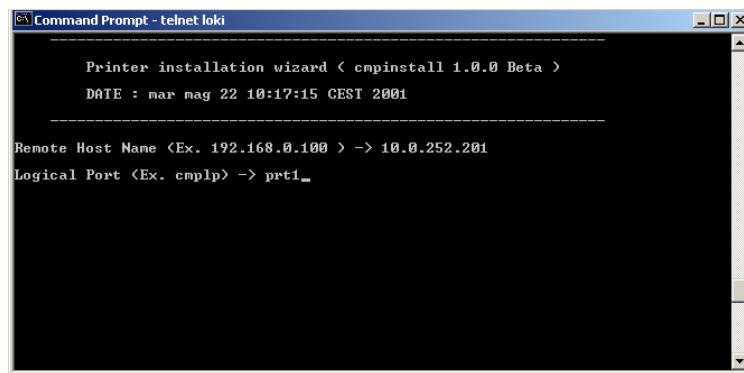
- ## 2. Select the operating system (n.7).



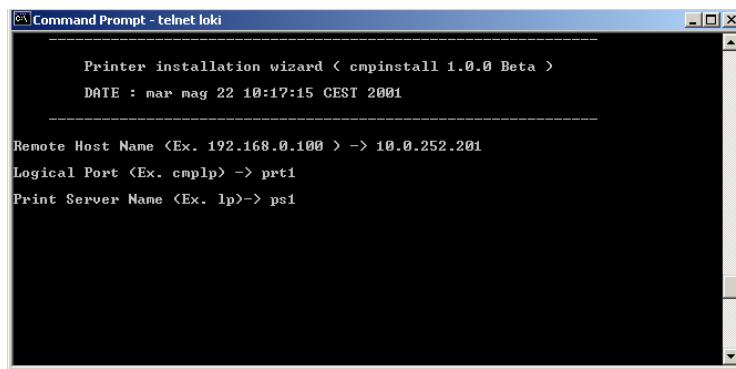
3. Add the IP address. This address must match the IP address selected in the INIT IP ADDRESS parameter of the LAN INTERFACE item in the Power-On Configuration setup you find in the User Manual included in the Printer Documentation & Driver CD-ROM.



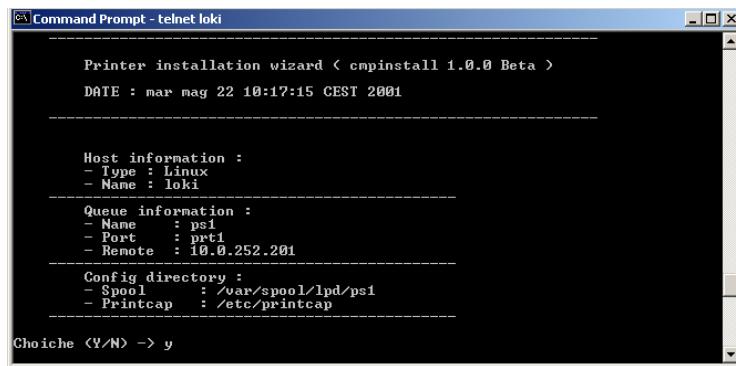
4. Enter the Logical Port Name. The Logical Port Name is "prt1".



5. Enter the Print Server Name. The printer server name is "ps1".



6. If this configuration is ok , enter "y" to confirm.



The installation is now complete. If you want to print the test file, enter the lpr -Pps1 test command.

Chapter 4 Linux 7.x & Solaris 7.x Operating Systems

4.1 General Informations

To configure the printer for the Linux 7.x and Solaris 7.x operating systems, follow the corresponding procedure described below:

4.2 Configuring a Remote Printer for the Red Hot Linux 7.x Operating System

1. Open the “/etc/hosts” file as root user in a Terminal windows.
2. Add the IP address and the Printer Name information.

Here is an example of an “/etc/hosts” file:

Ip-address	Printer-name
10.0.128.220.1	prt1
10.0.128.220.2	prt2

3. Type “printconf-gui&” from a prompt.
4. Click New button. You are asked to enter a queue name for the printer. Type the queue name you want.
5. Then select “Type of queue”. Select Unix Printer (lpd queue) in the “Queue type” box.
6. Insert the printer name used in “/etc/hosts” file (i.e. prt1 or prt2) in the “Server” or “Remote Hosts” box.
7. Insert the local spool directory (where the print jobs for the Unix computer are to be placed) in the “Queue” or “Spool Directory” box.
8. Select text only in the “Printer Driver” box. Set up the configuration you want and then click OK button.
9. Click File ->Save Changes in the “printconf-gui” window.
10. Restart lpd to have (let) the printer daemon receive the new printer entry.

If the print job is rejected when it is sent to test the printer, ask the remote computer's administrator to check permission in the “/etc/lpd.perms” file.

4.3 Configuring a Remote Printer for the Solaris 7.x Operating System

1. Open the “/etc/hosts” file as root user in a Terminal windows.
2. Add the IP address and the Printer Name information.

Here is an example of an “/etc/hosts” file:

Ip-address	printer-name
10.0.128.220.3	prt1
10.0.128.220.4	prt2

3. Type “admintool&” in a Terminal windows.
4. Select Browse button and then Printers.
5. Select Edit->Add->Access to Print Printer Menu”. in the “Admintool
6. Insert the printer name you want in the “Printer Name” box.
7. Insert the printer name used in “/etc/hosts” file (i.e. prt1 or prt2) in the “Printer Server” box.
8. Click Apply and then OK button. Now you are ready to use the printer.

Chapter 5 AS/400 Environment

5.1 Configuring AS/400 for ASCII (TCP/IP protocol)

5.1.1 Configuring with ADDTCPIFC

ADDTCPICF is used to add a TCP/IP interface to AS/400.
This step configures the AS/400 for connection to a TCP/IP network.

1. At the AS/400 command line, enter the following command:

```
ADDTCPICF  
INTNETADR ('127.000.000.000')LIND(ETHLAN)  
SUBNETMASK ('255.255.254.000')
```

This screen should look like the following one:

Internet address	127.000.000.000.
.....	:
Subnet mask	255.255.254.000
.....	:
Line description	ETHLAN
.....	:

To specify the IP-address and the Subnet Mask, see the values set respectively in the INIT IP ADDRESS and INIT NET MASK parameters of the LAN INTERFACE item in the Power-On Configuration setup you find in the User Manual included in the Printer Documentation & Driver CD-ROM.

5.1.2 Configuring a Router Definition with ADDTCP RTE

If necessary, use the ADDTCP RTE command to create a route definition.
This is required if the printer is somewhere other than on a local segment.

5.1.3 Configuring a Local Domain and Host Name

The AS/400 print commands require a local name and host name. If you have already configured LAN attached TCP/IP printers on the AS/400 system, you will have a local domain name and hostname configured on the system.

To configure the local domain, you will run the CFGTCO command.

5.1.4 Configuring a TCP/IP Host Table Entry

Although it is optional to create a TCP/IP host table entry, it is suggested that you take this step. Add the AS/400 name and the LAN IP address to the "Host Table Entries".

5.1.5 Configuring AS/400 for Printing

The procedure for configuring an AS/400 for printing requires that you:

1. Setup the printing capability
2. Verify the setup with a print job.

In order to accomplish this configuration, you need the following information:

- a) Remote Printer Queue Name

Set for any of 'pr1' through 'pr4'.

The Remote Printer Queue name must be all lower case.

- b) IP Address

See the IP Address value set in the INIT IP ADDRESS parameter of the LAN INTERFACE item in the Power-On Configuration setup you find in the User Manual included in the Printer Documentation & Driver CD-ROM.

5.1.6 Setting up Printing for ASCII Files

The next step in configuring the AS/400 is to setup the remote printing capability. There are two ways to do this:

- you can specify the LPR parameters manually each time you send a file to the printer.
- use remote writer and a remote output queue for automatic printing to the printer.

5.1.6.1 Set LPR Manually

1. Start TCP/IP, if it not already running, by entering the STRTCP command
2. At the AS/400 command line, enter 'LPR'.
3. The following example shows only the parameters you need to specify:

Remote System	RMTSYS	INTNETADR
Printer Queue	PRTQ	d1prn
Destination Type	DESTTYP	OTHER
Transform SCS to ASCII	TRANSFORM	YES
Manufacturer Type and Model	MFRTYPMDL	IBM6400EP
Internet Address	INTNETADR	127.000.000.000.

where,

Remote System: enter the host name of your printer or INTNETADR, which then prompts you to specify the IP address of your printer.

Printer Queue: set to "pr1" through "pr4". The remote printer queue name must be all lower case, entered in single quotes.

Destination Type: specify "OTHER" for the DESTTYP parameter.

Transform: specify "YES".

Manufacturer Type and Model: select a manufacturer type and model. Select "IBM6400EP" for Epson emulation or "IBM6400" or "IBM42023" for IBM Proprinter.

Internet Address: specify the IP address of the printer.

5.1.6.2 Create an Automatic RemoteOutput Queue

1. From the AS/400 command line, enter CRTOUTQ.
2. The following example shows only the parameters you need to specify:

Output Queue	OUTQ	USERNAME
Remote system	RMTSYS	INTNETADR
Remote printer queue	RMTPRTQ	d1prn
Writer to Autostart	AUTOSRTWTR	1
Connection type	CNNTYPE	IP
Destination type	DESTTYP	XAUTOQXAIX
Transform	TRANSFORM	YES
Manufacturer type	MFRTYPMDL	IBM6400EP
Internet Address	INTNETADR	127.000.000.000.

where,

Output queue: enter the name of the AS/400 output queue.

Remote System: enter the host name of your printer or INTNETADR, which then prompts you to specify the IP address of your printer.

Remote Printer Queue: set to “pr1” through “pr4”. The remote printer queue name must be all lower case, entered in single quotes.

Writer to Autostart: set the value to “1”.

Connection Type: specify this value as “IP”.

Destination Type: specify “X AUTOQXAIX”.

Transform: specify “YES”.

Manufacturer Type: select a manufacturer type and model.

Select “IBM6400EP” for Epson emulation or “IBM6400PR” or “IBM42023” for IBM Proprinter Internet Address: specify the IP address of the printer.

Chapter 6 Http Services

6.1 General Informations

The HTTP services provides some Printer Web page integrated into the LAN card allowing basic tools for monitoring the status of the printer and for its remote configuration.

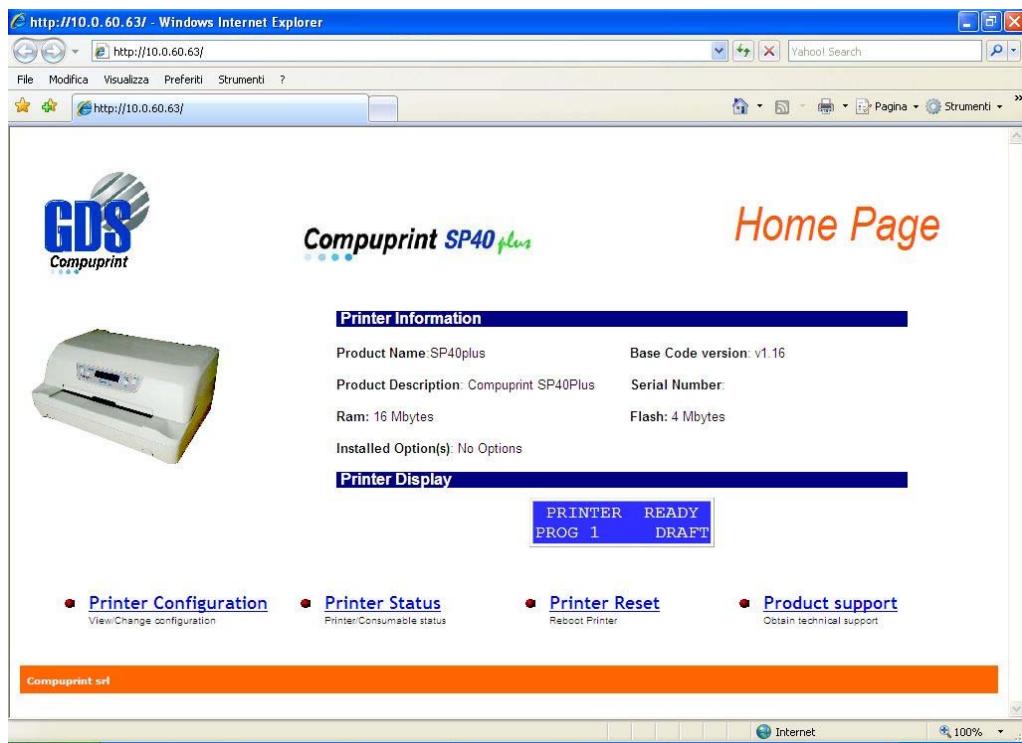
They can be access with any browser by simply digit the IP of the LAN card (i.e.: <http://xxx.xxx.xxx>).
The following masks show the available Printer Web Pages.

6.1.1 Home Page

The Home page provides to the user the basic printer information and the printer display message.
The basic printer information are the following:

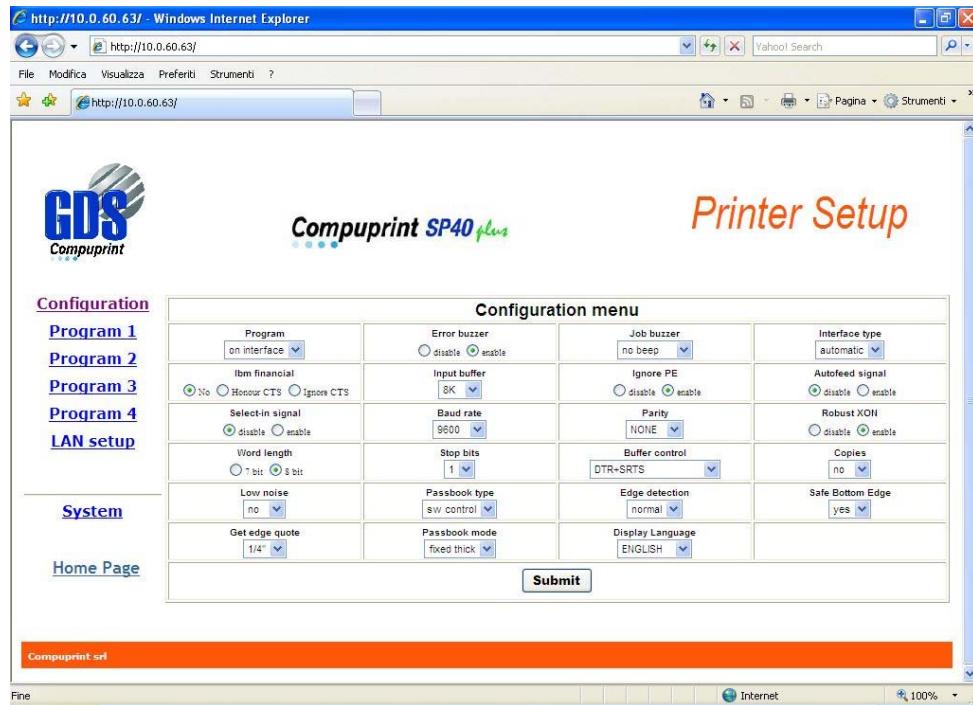
- Product Name
- Printer Base Code version
- Product Description
- Serial Number
- Ram size
- Flash size
- Installed Options

The printer display messages are the ones described in the basic Sp40plus User Manual.



6.1.2 Printer Configuration Page

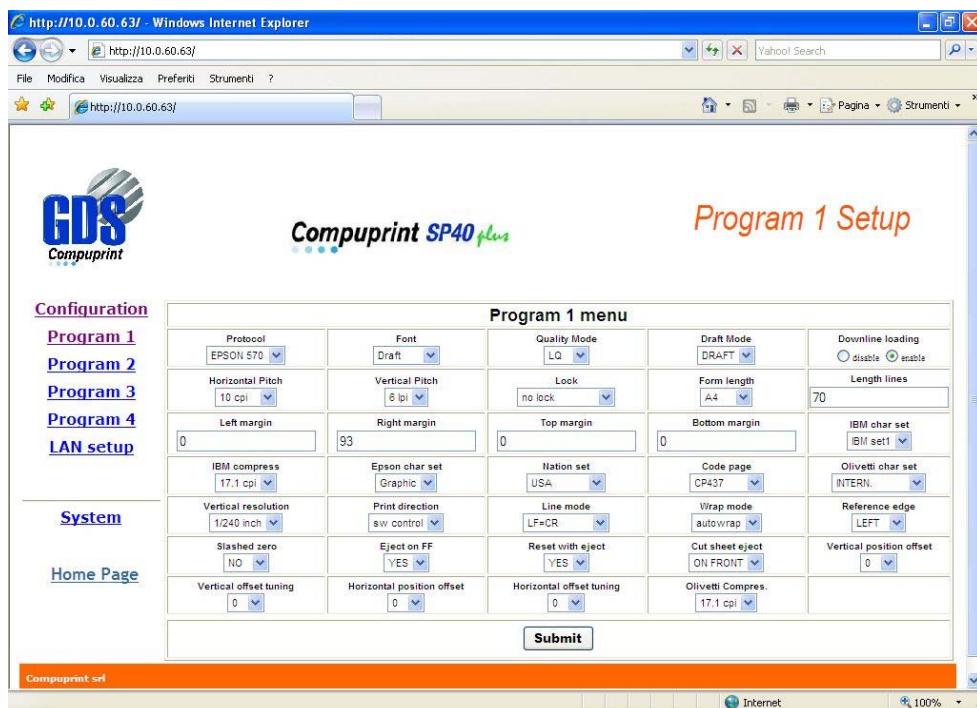
The Printer Configuration page collects Printer Common settings.



6.1.3 Programs Page

Four different links are available to access to the following pages.

- Program 1
- Program 2
- Program 3
- Program 4



The pages are protected and it is requested to type the root password to enter.

6.1.4 LAN Setup Page

In this page the TCP/IP and SMTP protocols may be programmed.

- Host Name
- Workgroup Name
- Location
- Contact
- IP Address Assignment
- IP Address
- SubNet Mask
- Default Gateway
- Mail Server Address
- E-Mail Address (Receiver)
- E-Mail Address (Sender)
- SMTP Service
- LPR Service
- FTP Service
- TELNET Service
- DIRECTIP Service
- SNMTPD Service
- HTTPD Service
- SMBD Service

The screenshot shows a Windows Internet Explorer window displaying the 'Printer LAN Setup' configuration page. The URL in the address bar is <http://10.0.60.63/>. The page title is 'Printer LAN Setup'. On the left, there's a sidebar with navigation links: Configuration, Program 1, Program 2, Program 3, Program 4, LAN setup (which is selected), System, and Home Page. The main content area is titled 'LAN setup' and contains a form with various configuration fields. The fields include:

Host name	Workgroup name	MAC address	Location
GDS_085454	P_NFFPS_TO	00:06:6d:08:54:54	No location
Contact	IP address assignment	IP address	Net mask
No contact	DHCP	10.0.60.63	255.0.0.0
Default gateway	E-mail Address (receiver)	E-mail Address (sender)	Mail server address
10.0.255.240	No address	No address	0.0.0.0
SMTP service <input checked="" type="radio"/> disable <input type="radio"/> enable	LPR service <input type="radio"/> disable <input checked="" type="radio"/> enable	FTP service <input type="radio"/> disable <input checked="" type="radio"/> enable	TELNET service <input type="radio"/> disable <input checked="" type="radio"/> enable
DIRECTIP service <input type="radio"/> disable <input checked="" type="radio"/> enable	SIMPD service <input type="radio"/> disable <input checked="" type="radio"/> enable	HTTPD service <input type="radio"/> disable <input checked="" type="radio"/> enable	SMBD service <input type="radio"/> disable <input checked="" type="radio"/> enable

At the bottom of the form is a 'Submit' button. The browser status bar at the bottom right shows 'Internet' and '100%'.

Each setting parameter is listed together with the relative edit field; at the bottom of the page the "Submit" button is provided to force the configuration changes.

The changes become effective in the printer only after having restarted the LAN (see Printer Reset in the Home page).

6.1.5 System Page

Tree different links are available to perform the following actions:

- Factory Default
- Save Serial Number
- Security

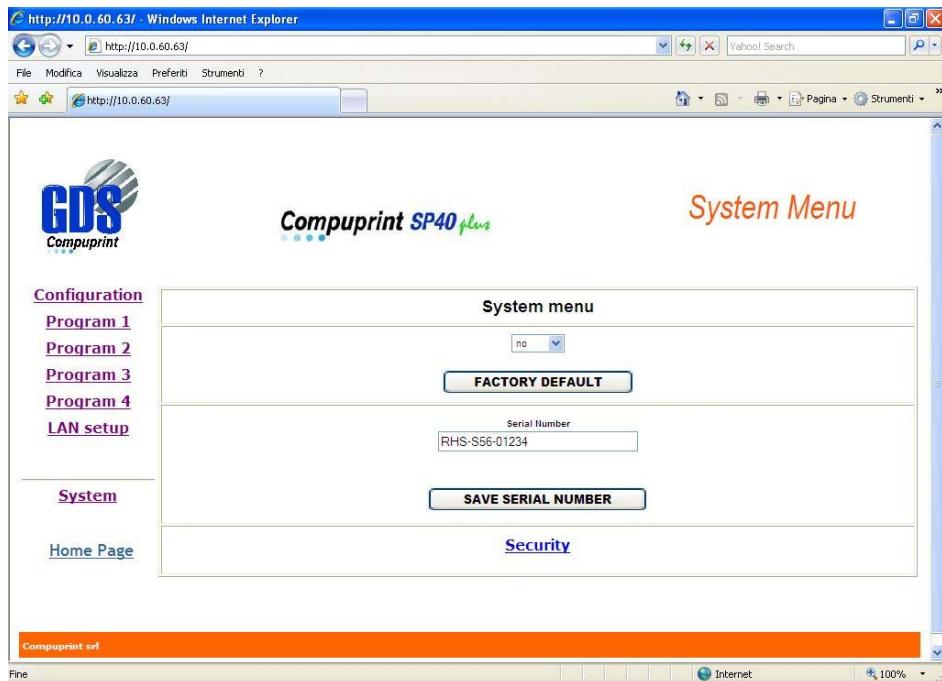
The page is protected and it is requested to type the root password to enter.

6.1.5.1 Factory Default

Each printer parameter is restored to its factory default value, except for the LAN parameters.

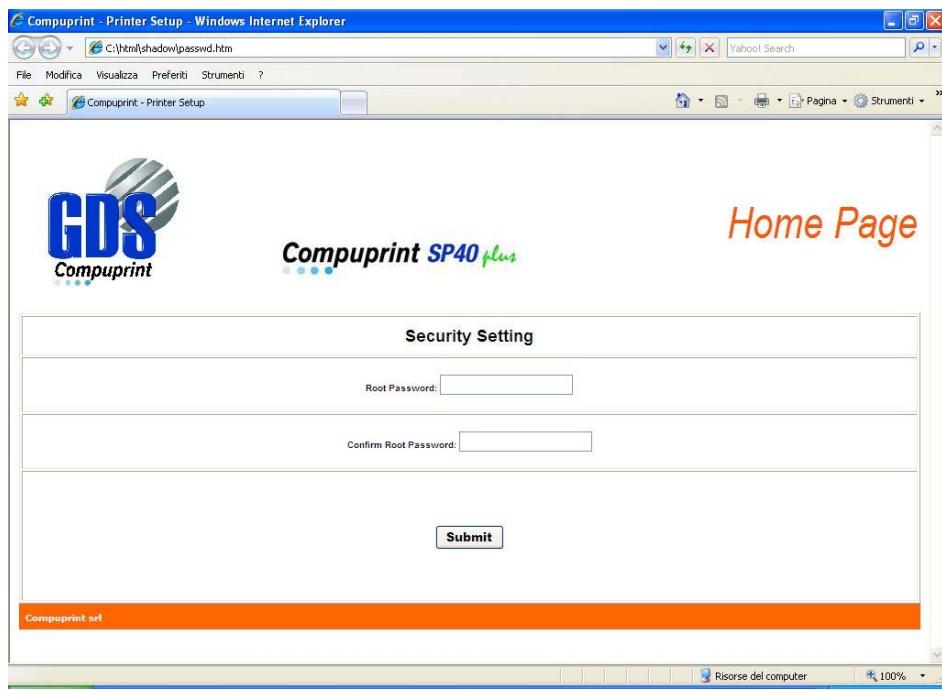
6.1.5.2 Save Serial Number

This selection permit to change and store in NVM a new Serial Number for SP40Plus machine.



6.1.6 Security Setting Page

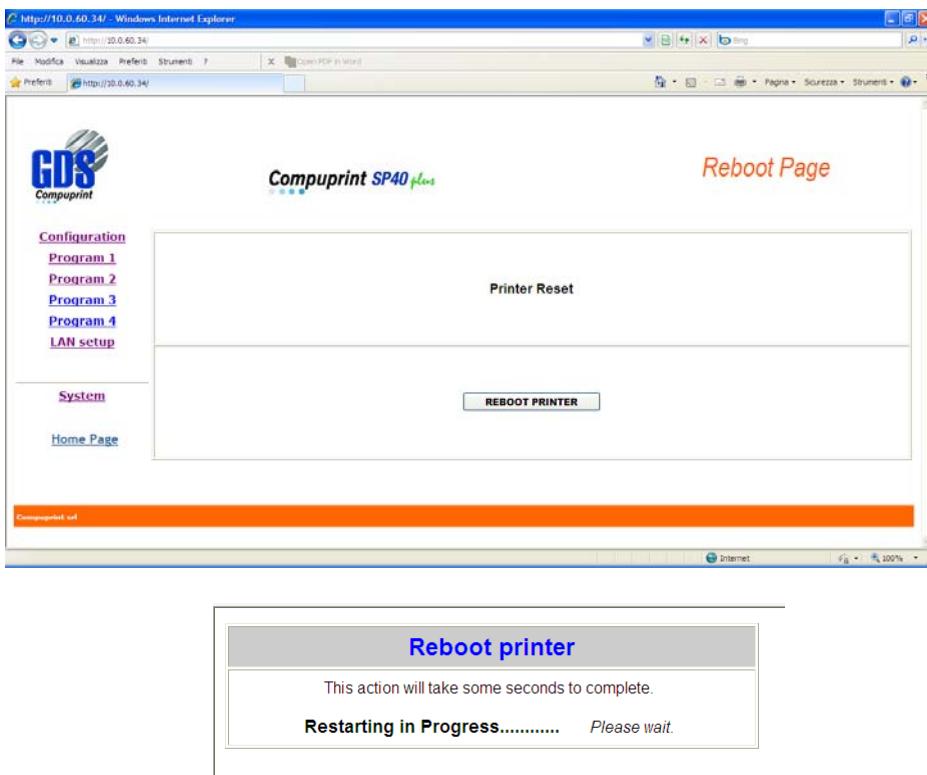
In this page the root password may be changed. The default value is "root".



At the bottom of the page the "Submit" button is provided to force the change. The change becomes effective in the printer only after having restarted the LAN (see Printer Reset in the Home page).

6.1.7 Reboot Page

In this page the reboot of the printer is forced. After the selection a mask to wait the restarting is showed.



6.1.8 Printer Status Page

The screenshot shows a Windows Internet Explorer window with the URL <http://10.0.60.63/>. The title bar says "http://10.0.60.63/ - Windows Internet Explorer". The main content area displays the "Printer Status" page for a Compuprint SP40 plus printer. The page includes the GDS logo, the printer model name, and a table with the following data:

Ribbon life	Level
	RIBBON LIFE (07) 645K chars
Head Life	Printed
	2863321K chars
Warning/Faults	No Fault

The status bar at the bottom of the browser window shows "Compuprint srl".

The page contains the counter level in the ribbon life with ribbon type (), printed characters in the head life in thousands of characters and type of warning/fault.

6.1.9 Product Support Page

The page provides the Vendor Web Site link to have more information and any assistance about the product:

The screenshot shows a Windows Internet Explorer window with the URL <http://10.0.60.63/>. The title bar says "http://10.0.60.63/ - Windows Internet Explorer". The main content area displays the "Support Page" for a Compuprint SP40 plus printer. The page includes the GDS logo, the printer model name, and a message: "For any assistance please contact vendor or www.compuprint.com". The status bar at the bottom of the browser window shows "Compuprint srl".

Chapter 7 SUPPORTED MIB'S

7.1 General Information

In this chapter are described all the Standard MIB plus private MIB objects.
They can be changed through the SNMP-MIB2 compatible protocol;

7.2 SYSTEM GROUP – RFC 1213

OBJECT ID	MIB	Type	Read-Write
sysDescr.0	1.3.6.1.2.1.1.1.0	octet string	No
sysObjectID.0	1.3.6.1.2.1.1.2.0	object identifier	No
sysUpTime.0	1.3.6.1.2.1.1.3.0	timeticks	No
sysContact.0	1.3.6.1.2.1.1.4.0	octet string	Yes
sysName.0	1.3.6.1.2.1.1.5.0	octet string	Yes
sysLocation.0	1.3.6.1.2.1.1.6.0	octet string	Yes
sysServices.0	1.3.6.1.2.1.1.7.0	integer	No

7.3 INTERFACE GROUP - RFC 1213

OBJECT ID	MIB	Type	Read-Write
ifNumber.0	1.3.6.1.2.1.2.1.0	integer	No
ifIndex.1	1.3.6.1.2.1.2.2.1.1.1	integer	No
ifDescr.1	1.3.6.1.2.1.2.2.1.2.1	octet string	No
ifType.1	1.3.6.1.2.1.2.2.1.3.1	integer	No
ifMtu.1	1.3.6.1.2.1.2.2.1.4.1	integer	No
ifSpeed.1	1.3.6.1.2.1.2.2.1.5.1	gauge	No
ifPhysAddress.1	1.3.6.1.2.1.2.2.1.6.1	octet string	No
ifAdminStatus.1	1.3.6.1.2.1.2.2.1.7.1	integer	No
ifOperStatus.1	1.3.6.1.2.1.2.2.1.8.1	integer	No
ifLastChange.1	1.3.6.1.2.1.2.2.1.9.1	timeticks	No
ifInOctets.1	1.3.6.1.2.1.2.2.1.10.1	counter	No
ifInUcastPkts.1	1.3.6.1.2.1.2.2.1.11.1	counter	No
ifInNUcastPkts.1	1.3.6.1.2.1.2.2.1.12.1	counter	No
ifInDiscards.1	1.3.6.1.2.1.2.2.1.13.1	counter	No
ifInErrors.1	1.3.6.1.2.1.2.2.1.14.1	counter	No
ifInUnknownProtos.1	1.3.6.1.2.1.2.2.1.15.1	counter	No
ifOutOctets.1	1.3.6.1.2.1.2.2.1.16.1	counter	No
ifOutUcastPkts.1	1.3.6.1.2.1.2.2.1.17.1	counter	No
ifOutNUcastPkts.1	1.3.6.1.2.1.2.2.1.18.1	counter	No
ifOutDiscards.1	1.3.6.1.2.1.2.2.1.19.1	counter	No
ifOutErrors.1	1.3.6.1.2.1.2.2.1.20.1	counter	No
ifOutQLen.1	1.3.6.1.2.1.2.2.1.21.1	gauge	No
ifSpecific.1	1.3.6.1.2.1.2.2.1.22.1	object identifier	No

7.4 ADDRESS GROUP – RFC 1213

OBJECT ID	MIB	Type	Read-Write
IpAdEntAddr.1	1.3.6.1.2.1.4.20.1.1	ipaddress	No
IpAdEntIfIndex.1	1.3.6.1.2.1.4.20.1.2	integer	No
IpAdEntNetMask.1	1.3.6.1.2.1.4.20.1.3	ipaddress	No
IpAdEntBcastAddr.1	1.3.6.1.2.1.4.20.1.4	integer	No
IpAdEntReasmMaxSize.1	1.3.6.1.2.1.4.20.1.5	integer	No

7.5 HOST RESOURCES - RFC 1514

OBJECT ID	MIB	Type	Read-Write
hrSystemUptime.0	1.3.6.1.2.1.25.1.1.0	timeticks	No
hrStorageSize.0	1.3.6.1.2.1.25.2.2.0	integer	No
hrStorageIndex.1	1.3.6.1.2.1.25.2.3.1.1.1	integer	No
hrStorageIndex.2	1.3.6.1.2.1.25.2.3.1.1.2	integer	No
hrStorageType.1	1.3.6.1.2.1.25.2.3.1.2.1	object identifier	No
hrStorageType.2	1.3.6.1.2.1.25.2.3.1.2.2	object identifier	No
hrStorageDescr.1	1.3.6.1.2.1.25.2.3.1.3.1	octet string	No
hrStorageDescr.2	1.3.6.1.2.1.25.2.3.1.3.2	octet string	No
hrStorageAllocationUnits.1	1.3.6.1.2.1.25.2.3.1.4.1	integer	No
hrStorageAllocationUnits.2	1.3.6.1.2.1.25.2.3.1.4.2	integer	No
hrStorageSize.1	1.3.6.1.2.1.25.2.3.1.5.1	integer	No
hrStorageSize.2	1.3.6.1.2.1.25.2.3.1.5.2	integer	No
hrStorageUsed.1	1.3.6.1.2.1.25.2.3.1.6.1	integer	No
hrStorageUsed.2	1.3.6.1.2.1.25.2.3.1.6.2	integer	No
hrStorageAllocationFailures.1	1.3.6.1.2.1.25.2.3.1.7.1	counter	No
hrStorageAllocationFailures.2	1.3.6.1.2.1.25.2.3.1.7.2	counter	No
hrDeviceIndex.1	1.3.6.1.2.1.25.3.2.1.1.1	integer	No
hrDeviceIndex.2	1.3.6.1.2.1.25.3.2.1.1.2	integer	No
hrDeviceType.1	1.3.6.1.2.1.25.3.2.1.2.1	object identifier	No
hrDeviceDescr.1	1.3.6.1.2.1.25.3.2.1.3.1	octet string	No
hrDeviceDescr.2	1.3.6.1.2.1.25.3.2.1.3.2	octet string	No
hrDeviceID.1	1.3.6.1.2.1.25.3.2.1.4.1	object identifier	No
hrDeviceID.2	1.3.6.1.2.1.25.3.2.1.4.2	object identifier	No
hrDeviceStatus.1	1.3.6.1.2.1.25.3.2.1.5.1	integer	No
hrDeviceStatus.2	1.3.6.1.2.1.25.3.2.1.5.2	integer	No
hrDeviceErrors.1	1.3.6.1.2.1.25.3.2.1.6.1	counter	No
hrDeviceErrors.2	1.3.6.1.2.1.25.3.2.1.6.2	counter	No
hrPrinterStatus.1	1.3.6.1.2.1.25.3.5.1.1.1	integer	No
hrPrinterDetectedErrorState.1	1.3.6.1.2.1.25.3.5.1.2.1	octet string	No

7.6 PRINTER - RFC 1759

OBJECT ID	MIB	Type	Read-Write
prtGeneralConfigChanges.1	1.3.6.1.2.1.43.5.1.1.1.1	counter32	No
prtGeneralCurrentLocalization.1	1.3.6.1.2.1.43.5.1.1.2.1	integer	No
prtGeneralReset.1	1.3.6.1.2.1.43.5.1.1.3.1	integer	Yes
prtGeneralCurrentOperator.1	1.3.6.1.2.1.43.5.1.1.4.1	octet string	No
prtGeneralServicePerson.1	1.3.6.1.2.1.43.5.1.1.5.1	octet string	No
prtInputDefaultIndex.1	1.3.6.1.2.1.43.5.1.1.6.1	integer	No
prtOutputDefaultIndex.1	1.3.6.1.2.1.43.5.1.1.7.1	integer	No
prtMarkerDefaultIndex.1	1.3.6.1.2.1.43.5.1.1.8.1	integer	No
prtMediaPathDefaultIndex.1	1.3.6.1.2.1.43.5.1.1.9.1	integer	No
prtConsoleLocalization.1	1.3.6.1.2.1.43.5.1.1.10.1	integer	No
prtConsoleNumberOfDisplayLines.1	1.3.6.1.2.1.43.5.1.1.11.1	integer	No
prtConsoleNumberOfDisplayChars.1	1.3.6.1.2.1.43.5.1.1.12.1	integer	No
prtConsoleDisable.1	1.3.6.1.2.1.43.5.1.1.13.1	integer	Yes
r.f.u.	1.3.6.1.2.1.43.5.2.1.2.1	integer	No
r.f.u.	1.3.6.1.2.1.43.5.2.1.2.2	integer	No
r.f.u.	1.3.6.1.2.1.43.5.3.1.2.1	integer	No
r.f.u.	1.3.6.1.2.1.43.5.3.1.2.2	integer	No
r.f.u.	1.3.6.1.2.1.43.6.1.1.2.1.1	octet string	No
prtCoverStatus.1.1	1.3.6.1.2.1.43.6.1.1.3.1.1	integer	No
prtLocalizationLanguage.1.1	1.3.6.1.2.1.43.7.1.1.2.1.1	octet string	No
prtLocalizationCountry.1.1	1.3.6.1.2.1.43.7.1.1.3.1.1	octet string	No
prtLocalizationCharacterSet.1.1	1.3.6.1.2.1.43.7.1.1.4.1.1	integer	No
prtInputType.1.1	1.3.6.1.2.1.43.8.2.1.2.1.1	integer	No
prtInputDimUnit.1.1	1.3.6.1.2.1.43.8.2.1.3.1.1	integer	No
prtInputDimUnit.1.2	1.3.6.1.2.1.43.8.2.1.3.1.2	integer	No
prtInputMediaDimFeedDirDeclared.1.1	1.3.6.1.2.1.43.8.2.1.4.1.1	integer	No
prtInputMediaDimFeedDirDeclared.1.2	1.3.6.1.2.1.43.8.2.1.4.1.2	integer	No
prtInputMediaDimXFeedDirDeclared.1.1	1.3.6.1.2.1.43.8.2.1.5.1.1	integer	No
prtInputMediaDimXFeedDirDeclared.1.2	1.3.6.1.2.1.43.8.2.1.5.1.2	integer	No
prtInputMediaDimFeedDirChosen.1.1	1.3.6.1.2.1.43.8.2.1.6.1.1	integer	No
prtInputMediaDimFeedDirChosen.1.2	1.3.6.1.2.1.43.8.2.1.6.1.2	integer	No
prtInputMediaDimXFeedDirChosen.1.1	1.3.6.1.2.1.43.8.2.1.7.1.1	integer	No
prtInputMediaDimXFeedDirChosen.1.2	1.3.6.1.2.1.43.8.2.1.7.1.2	integer	No
prtInputCapacityUnit.1.1	1.3.6.1.2.1.43.8.2.1.8.1.1	integer	No
r.f.u.	1.3.6.1.2.1.43.8.2.1.8.1.2	integer	No
prtInputMaxCapacity.1.1	1.3.6.1.2.1.43.8.2.1.9.1.1	integer	No
prtInputCurrentLevel.1.1	1.3.6.1.2.1.43.8.2.1.10.1.1	integer	No
prtInputCurrentLevel.1.2	1.3.6.1.2.1.43.8.2.1.10.1.2	integer	No
prtInputStatus.1.1	1.3.6.1.2.1.43.8.2.1.11.1.1	integer	No
prtInputStatus.1.2	1.3.6.1.2.1.43.8.2.1.11.1.2	integer	No

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OBJECT ID	MIB	Type	Read-Write
prtInputMediaName.1.1	1.3.6.1.2.1.43.8.2.1.12.1.1	octet string	No
r.f.u	1.3.6.1.2.1.43.8.2.1.12.1.2	octet string	No
prtInputName.1.1	1.3.6.1.2.1.43.8.2.1.13.1.1	octet string	No
r.f.u	1.3.6.1.2.1.43.8.2.1.13.1.2	octet string	No
prtInputMediaType.1.1	1.3.6.1.2.1.43.8.2.1.21.1.1	octet string	No
r.f.u.	1.3.6.1.2.1.43.8.2.1.21.1.2	octet string	No
prtOutputType.1.1	1.3.6.1.2.1.43.9.2.1.2.1.1	integer	No
prtOutputCapacityUnit.1.1	1.3.6.1.2.1.43.9.2.1.3.1.1	integer	No
prtOutputMaxCapacity.1.1	1.3.6.1.2.1.43.9.2.1.4.1.1	integer	No
prtOutputRemainingCapacity.1.1	1.3.6.1.2.1.43.9.2.1.5.1.1	integer	No
prtOutputStatus.1.1	1.3.6.1.2.1.43.9.2.1.6.1.1	integer	No
prtMarkerMarkTech.1.1	1.3.6.1.2.1.43.10.2.1.2.1.1	integer	No
prtMarkerCounterUnit.1.1	1.3.6.1.2.1.43.10.2.1.3.1.1	integer	No
prtMarkerLifeCount.1.1	1.3.6.1.2.1.43.10.2.1.4.1.1	counter32	No
prtMarkerPowerOnCount.1.1	1.3.6.1.2.1.43.10.2.1.5.1.1	counter32	No
prtMarkerProcessColorants.1.1	1.3.6.1.2.1.43.10.2.1.6.1.1	integer	No
prtMarkerSpotColorants.1.1	1.3.6.1.2.1.43.10.2.1.7.1.1	integer	No
prtMarkerAddressabilityXFeedDir.1.1	1.3.6.1.2.1.43.10.2.1.10.1.1	integer	No
prtMarkerNorthMargin.1.1	1.3.6.1.2.1.43.10.2.1.11.1.1	integer	No
prtMarkerSouthMargin.1.1	1.3.6.1.2.1.43.10.2.1.12.1.1	integer	No
prtMarkerWestMargin.1.1	1.3.6.1.2.1.43.10.2.1.13.1.1	integer	No
prtMarkerEastMargin.1.1	1.3.6.1.2.1.43.10.2.1.14.1.1	integer	No
prtMarkerStatus.1.1	1.3.6.1.2.1.43.10.2.1.15.1.1	integer	No
prtMediaPathMaxSpeedPrintUnit.1.1	1.3.6.1.2.1.43.13.4.1.2.1.1	integer	No
prtMediaPathMediaSizeUnit.1.1	1.3.6.1.2.1.43.13.4.1.3.1.1	integer	No
prtMediaPathMaxSpeed.1.1	1.3.6.1.2.1.43.13.4.1.4.1.1	integer	No
prtMediaPathMaxMediaFeedDir.1.1	1.3.6.1.2.1.43.13.4.1.5.1.1	integer	No
prtMediaPathMaxMediaXFeedDir.1.1	1.3.6.1.2.1.43.13.4.1.6.1.1	integer	No
prtMediaPathMinMediaFeedDir.1.1	1.3.6.1.2.1.43.13.4.1.7.1.1	integer	No
prtMediaPathMinMediaXFeedDir.1.1	1.3.6.1.2.1.43.13.4.1.8.1.1	integer	No
prtMediaPathType.1.1	1.3.6.1.2.1.43.13.4.1.9.1.1	integer	No
prtMediaPathDescription.1.1	1.3.6.1.2.1.43.13.4.1.10.1.1	octet string	No
prtMediaPathStatus.1.1	1.3.6.1.2.1.43.13.4.1.11.1.1	integer	No
prtChannelType.1.1	1.3.6.1.2.1.43.14.1.1.2.1.1	integer	No
prtChannelType.1.2	1.3.6.1.2.1.43.14.1.1.2.1.2	integer	No
prtChannelType.1.3	1.3.6.1.2.1.43.14.1.1.2.1.3	integer	No
prtChannelType.1.4	1.3.6.1.2.1.43.14.1.1.2.1.4	integer	No
prtChannelType.1.5	1.3.6.1.2.1.43.14.1.1.2.1.5	integer	No
prtChannelState.1.1	1.3.6.1.2.1.43.14.1.1.6.1.1	integer	No
prtChannelState.1.2	1.3.6.1.2.1.43.14.1.1.6.1.2	integer	No
prtChannelState.1.3	1.3.6.1.2.1.43.14.1.1.6.1.3	integer	No
prtChannelState.1.4	1.3.6.1.2.1.43.14.1.1.6.1.4	integer	No
prtChannelState.1.5	1.3.6.1.2.1.43.14.1.1.6.1.5	integer	No
prtChannelIndex.1.1	1.3.6.1.2.1.43.14.1.1.7.1.1	integer	No
prtChannelIndex.1.2	1.3.6.1.2.1.43.14.1.1.7.1.2	integer	No
prtChannelIndex.1.3	1.3.6.1.2.1.43.14.1.1.7.1.3	integer	No
prtChannelIndex.1.4	1.3.6.1.2.1.43.14.1.1.7.1.4	integer	No
prtChannelIndex.1.5	1.3.6.1.2.1.43.14.1.1.7.1.5	integer	No
prtInterpreterLangFamily.1.1	1.3.6.1.2.1.43.15.1.1.2.1.1	integer	No
prtInterpreterLangFamily.1.2	1.3.6.1.2.1.43.15.1.1.2.1.2	integer	No
prtInterpreterLangFamily.1.3	1.3.6.1.2.1.43.15.1.1.2.1.3	integer	No
prtInterpreterLangFamily.1.4	1.3.6.1.2.1.43.15.1.1.2.1.4	integer	No
prtInterpreterLangLevel.1.1	1.3.6.1.2.1.43.15.1.1.3.1.1	octet string	No
prtInterpreterLangLevel.1.2	1.3.6.1.2.1.43.15.1.1.3.1.2	octet string	No
prtInterpreterLangLevel.1.3	1.3.6.1.2.1.43.15.1.1.3.1.3	octet string	No
prtInterpreterLangLevel.1.4	1.3.6.1.2.1.43.15.1.1.3.1.4	octet string	No
prtInterpreterLangVersion.1.1	1.3.6.1.2.1.43.15.1.1.4.1.1	octet string	No
prtInterpreterLangVersion.1.2	1.3.6.1.2.1.43.15.1.1.4.1.2	octet string	No
prtInterpreterLangVersion.1.3	1.3.6.1.2.1.43.15.1.1.4.1.3	octet string	No
prtInterpreterLangVersion.1.4	1.3.6.1.2.1.43.15.1.1.4.1.4	octet string	No
prtEmulationDescription.1.1	1.3.6.1.2.1.43.15.1.1.5.1.1	octet string	No
prtEmulationDescription.1.2	1.3.6.1.2.1.43.15.1.1.5.1.2	octet string	No
prtEmulationDescription.1.3	1.3.6.1.2.1.43.15.1.1.5.1.3	octet string	No
prtInterpreterDescription.1.4	1.3.6.1.2.1.43.15.1.1.5.1.4	octet string	No
prtInterpreterVersion.1.1	1.3.6.1.2.1.43.15.1.1.6.1.1	octet string	No
prtInterpreterVersion.1.2	1.3.6.1.2.1.43.15.1.1.6.1.2	octet string	No
prtInterpreterVersion.1.3	1.3.6.1.2.1.43.15.1.1.6.1.3	octet string	No
prtInterpreterVersion.1.4	1.3.6.1.2.1.43.15.1.1.6.1.4	octet string	No
prtInterpreterDefaultOrientation.1.1	1.3.6.1.2.1.43.15.1.1.7.1.1	integer	No
prtInterpreterDefaultOrientation.1.2	1.3.6.1.2.1.43.15.1.1.7.1.2	integer	No
prtInterpreterDefaultOrientation.1.3	1.3.6.1.2.1.43.15.1.1.7.1.3	integer	No
prtInterpreterDefaultOrientation.1.4	1.3.6.1.2.1.43.15.1.1.7.1.4	integer	No

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OBJECT ID	MIB	Type	Read-Write
prtlInterpreterDefaultCharSetIn.1.1	1.3.6.1.2.1.43.15.1.1.10.1.1	integer	No
prtlInterpreterDefaultCharSetIn.1.2	1.3.6.1.2.1.43.15.1.1.10.1.2	integer	No
prtlInterpreterDefaultCharSetIn.1.3	1.3.6.1.2.1.43.15.1.1.10.1.3	integer	No
prtlInterpreterDefaultCharSetIn.1.4	1.3.6.1.2.1.43.15.1.1.10.1.4	integer	No
prtlInterpreterDefaultCharSetOut.1.1	1.3.6.1.2.1.43.15.1.1.11.1.1	integer	No
prtlInterpreterDefaultCharSetOut.1.2	1.3.6.1.2.1.43.15.1.1.11.1.2	integer	No
prtlInterpreterDefaultCharSetOut.1.3	1.3.6.1.2.1.43.15.1.1.11.1.3	integer	No
prtlInterpreterDefaultCharSetOut.1.4	1.3.6.1.2.1.43.15.1.1.11.1.4	integer	No
prtlInterpreterTwoWay.1.1	1.3.6.1.2.1.43.15.1.1.12.1.1	integer	No
prtlInterpreterTwoWay.1.2	1.3.6.1.2.1.43.15.1.1.12.1.2	integer	No
prtlInterpreterTwoWay.1.3	1.3.6.1.2.1.43.15.1.1.12.1.3	integer	No
prtlInterpreterTwoWay.1.4	1.3.6.1.2.1.43.15.1.1.12.1.4	integer	No
prtConsoleDisplayBufferText.1.1	1.3.6.1.2.1.43.16.5.1.2.1.1	octet string	No
prtConsoleDisplayBufferText.1.2	1.3.6.1.2.1.43.16.5.1.2.1.2	octet string	No
prtConsoleOnTime.1.1	1.3.6.1.2.1.43.17.6.1.2.1.1	integer	No
prtConsoleOnTime.1.2	1.3.6.1.2.1.43.17.6.1.2.1.2	integer	No
prtConsoleOnTime.1.3	1.3.6.1.2.1.43.17.6.1.2.1.3	integer	No
prtConsoleOnTime.1.4	1.3.6.1.2.1.43.17.6.1.2.1.4	integer	No
prtConsoleOffTime.1.1	1.3.6.1.2.1.43.17.6.1.3.1.1	integer	No
prtConsoleOffTime.1.2	1.3.6.1.2.1.43.17.6.1.3.1.2	integer	No
prtConsoleOffTime.1.3	1.3.6.1.2.1.43.17.6.1.3.1.3	integer	No
prtConsoleOffTime.1.4	1.3.6.1.2.1.43.17.6.1.3.1.4	integer	No
prtConsoleColor.1.1	1.3.6.1.2.1.43.17.6.1.4.1.1	integer	No
prtConsoleColor.1.2	1.3.6.1.2.1.43.17.6.1.4.1.2	integer	No
prtConsoleColor.1.3	1.3.6.1.2.1.43.17.6.1.4.1.3	integer	No
prtConsoleColor.1.4	1.3.6.1.2.1.43.17.6.1.4.1.4	integer	No
prtConsoleDescription.1.1	1.3.6.1.2.1.43.17.6.1.5.1.1	octet string	No
prtConsoleDescription.1.2	1.3.6.1.2.1.43.17.6.1.5.1.2	octet string	No
prtConsoleDescription.1.3	1.3.6.1.2.1.43.17.6.1.5.1.3	octet string	No
prtConsoleDescription.1.4	1.3.6.1.2.1.43.17.6.1.5.1.4	octet string	No
prtAlertSeverityLevel.1.1	1.3.6.1.2.1.43.18.1.1.2.1.1	integer	No
prtAlertTrainingLevel.1.1	1.3.6.1.2.1.43.18.1.1.3.1.1	integer	No
prtAlertGroup.1.1	1.3.6.1.2.1.43.18.1.1.4.1.1	integer	No
prtAlertGroupIndex.1.1	1.3.6.1.2.1.43.18.1.1.5.1.1	integer	No
prtAlertLocation.1.1	1.3.6.1.2.1.43.18.1.1.6.1.1	integer	No
prtAlertCode.1.1	1.3.6.1.2.1.43.18.1.1.7.1.1	integer	No
prtAlertDescription.1.1	1.3.6.1.2.1.43.18.1.1.8.1.1	octet string	No
prtAlertTime.1	1.3.6.1.2.1.43.18.1.1.9.1.1	timeticks	No

7.7 PRIVATE MIB's

7.7.1 LAN PARAMETERS MIB's

The list of the MIB related to the LAN parameters supported by the NIC and handled by the SP40plus printers are the following:

OBJECT ID	MIB	Type	Read-Write
sw lan Version	1.3.6.1.4.1.6345.1.1.1.1.0	octet string	No
cinetdNumber.0	1.3.6.1.4.1.6345.1.1.2.1.1.0	integer	No
cinetdDescr1.0	1.3.6.1.4.1.6345.1.1.2.2.1.0	octet string	No
cinetdType1.0	1.3.6.1.4.1.6345.1.1.2.2.2.0	octet string	No
cinetdUdp1.0	1.3.6.1.4.1.6345.1.1.2.2.3.0	octet string	No
cinetdWait1.0	1.3.6.1.4.1.6345.1.1.2.2.4.0	octet string	No
cinetdInstance1.0	1.3.6.1.4.1.6345.1.1.2.2.5.0	integer	No
cinetdUserID1.0	1.3.6.1.4.1.6345.1.1.2.2.6.0	octet string	No
cinetdProgram1.0	1.3.6.1.4.1.6345.1.1.2.2.7.0	octet string	No
cinetdProgram11.0	1.3.6.1.4.1.6345.1.1.2.2.8.0	octet string	No
cinetdDescr2.0	1.3.6.1.4.1.6345.1.1.2.3.1.0	octet string	No
cinetdType2.0	1.3.6.1.4.1.6345.1.1.2.3.2.0	octet string	No
cinetdUdp2.0	1.3.6.1.4.1.6345.1.1.2.3.3.0	octet string	No
cinetdWait2.0	1.3.6.1.4.1.6345.1.1.2.3.4.0	octet string	No
cinetdInstance2.0	1.3.6.1.4.1.6345.1.1.2.3.5.0	integer	No
cinetdUserID2.0	1.3.6.1.4.1.6345.1.1.2.3.6.0	octet string	No
cinetdProgram2.0	1.3.6.1.4.1.6345.1.1.2.3.7.0	octet string	No
cinetdProgram12.0	1.3.6.1.4.1.6345.1.1.2.3.8.0	octet string	No
cinetdDescr3.0	1.3.6.1.4.1.6345.1.1.2.4.1.0	octet string	No
cinetdType3.0	1.3.6.1.4.1.6345.1.1.2.4.2.0	octet string	No
cinetdUdp3.0	1.3.6.1.4.1.6345.1.1.2.4.3.0	octet string	No
cinetdWait3.0	1.3.6.1.4.1.6345.1.1.2.4.4.0	octet string	No
cinetdInstance3.0	1.3.6.1.4.1.6345.1.1.2.4.5.0	integer	No
cinetdUserID3.0	1.3.6.1.4.1.6345.1.1.2.4.6.0	octet string	No
cinetdProgram3.0	1.3.6.1.4.1.6345.1.1.2.4.7.0	octet string	No
cinetdProgram13.0	1.3.6.1.4.1.6345.1.1.2.4.8.0	octet string	No
cinetdDescr4.0	1.3.6.1.4.1.6345.1.1.2.5.1.0	octet string	No
CinetdType4.0	1.3.6.1.4.1.6345.1.1.2.5.2.0	octet string	No
cinetdUdp4.0	1.3.6.1.4.1.6345.1.1.2.5.3.0	octet string	No
cinetdWait4.0	1.3.6.1.4.1.6345.1.1.2.5.4.0	octet string	No
cinetdInstance4.0	1.3.6.1.4.1.6345.1.1.2.5.5.0	integer	No
cinetdUserID4.0	1.3.6.1.4.1.6345.1.1.2.5.6.0	octet string	No
cinetdProgram4.0	1.3.6.1.4.1.6345.1.1.2.5.7.0	octet string	No
cinetdProgram14.0	1.3.6.1.4.1.6345.1.1.2.5.8.0	octet string	No
cservNumber.0	1.3.6.1.4.1.6345.1.1.3.1.1.0	integer	No
cservDescr1.0	1.3.6.1.4.1.6345.1.1.3.2.1.0	octet string	No
cservPort1.0	1.3.6.1.4.1.6345.1.1.3.2.2.0	integer	Yes
cservType1.0	1.3.6.1.4.1.6345.1.1.3.2.3.0	octet string	No
cservDescr2.0	1.3.6.1.4.1.6345.1.1.3.3.1.0	octet string	No
cservPort2.0	1.3.6.1.4.1.6345.1.1.3.3.2.0	integer	Yes
cservType2.0	1.3.6.1.4.1.6345.1.1.3.3.3.0	octet string	No
cservDescr3.0	1.3.6.1.4.1.6345.1.1.3.4.1.0	octet string	No
cservPort3.0	1.3.6.1.4.1.6345.1.1.3.4.2.0	integer	Yes
cservType3.0	1.3.6.1.4.1.6345.1.1.3.4.3.0	octet string	No
cservDescr4.0	1.3.6.1.4.1.6345.1.1.3.5.1.0	octet string	No
cservPort4.0	1.3.6.1.4.1.6345.1.1.3.5.2.0	integer	Yes
cservType4.0	1.3.6.1.4.1.6345.1.1.3.5.3.0	octet string	No
cintAddr.0	1.3.6.1.4.1.6345.1.1.5.1.0	ipaddress	Yes
cnetMask.0	1.3.6.1.4.1.6345.1.1.5.2.0	ipaddress	Yes
cdefRout.0	1.3.6.1.4.1.6345.1.1.5.3.0	ipaddress	Yes
cinitHost.0	1.3.6.1.4.1.6345.1.1.5.4.0	octet string	Yes
cinitWorkg.0	1.3.6.1.4.1.6345.1.1.5.5.0	octet string	Yes

LAN PARAMETERS MIB's (cont'd)

OBJECT ID	MIB	Type	Read-Write
cinitDescr.0	1.3.6.1.4.1.6345.1.1.5.6.0	octet string	No
cinitBoot DHCP Enable.0	1.3.6.1.4.1.6345.1.1.5.7.0	integer	No
csnmpdEnb.0	1.3.6.1.4.1.6345.1.1.7.1.1.0	integer	No
csnmpdCommunity.0	1.3.6.1.4.1.6345.1.1.7.1.2.0	octet string	Yes
chttpdEnb.0	1.3.6.1.4.1.6345.1.1.7.2.1.0	integer	No
csambaEnb.0	1.3.6.1.4.1.6345.1.1.7.3.1.0	integer	No
csmtplibEnb.0	1.3.6.1.4.1.6345.1.1.7.5.1.0	integer	Yes
csmtplibEmailAddr.0	1.3.6.1.4.1.6345.1.1.7.5.2.0	octet string	Yes
csmtplibMailServerAddr.0	1.3.6.1.4.1.6345.1.1.7.5.3.0	ipaddress	Yes
csmtplibFromEmailAddr.0	1.3.6.1.4.1.6345.1.1.7.5.6.0	octet string	Yes
csecUser.0	1.3.6.1.4.1.6345.1.1.7.6.1.0	octet string	Yes
prtButtonValue	1.3.6.1.4.1.6345.1.2.1.1.0	integer	Yes
prtBaseCodeVer	1.3.6.1.4.1.6345.1.2.1.2.0	octet string	No
prtHtmlContact	1.3.6.1.4.1.6345.1.2.1.3.0	octet string	Yes
SetResSEssion	1.3.6.1.4.1.6345.1.2.1.4.0	integer	Yes
GetOption	1.3.6.1.4.1.6345.1.2.1.5.0	integer	No
GetRamSize	1.3.6.1.4.1.6345.1.2.1.6.0	octet string	No
GetRomSize	1.3.6.1.4.1.6345.1.2.1.7.0	octet string	No
prtSerialNumber	1.3.6.1.4.1.6345.1.2.1.8.0	octet string	Yes
WebErrorState	1.3.6.1.4.1.6345.1.2.1.9.0	integer	No
Printer Reboot	1.3.6.1.4.1.6345.1.2.1.10.0	integer	Yes

7.7.2 MENU PARAMETERS MIB's

The list of the MIB related to the printer Configuration parameters supported by the NIC and handled by the SP40 printer are the following:

OBJECT ID	MIB	Type	Read-Write
Common Configuration:			
data.interface_param.user_id	1.3.6.1.4.1.6345.1.2.5.1.1.1.0	integer	Yes
data.interface_param.interface_type	1.3.6.1.4.1.6345.1.2.5.1.1.2.0	integer	Yes
data.interface_param.interface_testpe	1.3.6.1.4.1.6345.1.2.5.1.1.3.0	integer	Yes
data.interface_param.serial_protocol	1.3.6.1.4.1.6345.1.2.5.1.1.4.0	integer	Yes
data.interface_param.serial_baud	1.3.6.1.4.1.6345.1.2.5.1.1.5.0	integer	Yes
data.interface_param.copies	1.3.6.1.4.1.6345.1.2.5.1.1.6.0	integer	Yes
data.interface_param.edge_detection	1.3.6.1.4.1.6345.1.2.5.1.1.7.0	integer	Yes
data.interface_param.buzzer_mode	1.3.6.1.4.1.6345.1.2.5.1.1.8.0	integer	Yes
data.interface_param.ibm_financial	1.3.6.1.4.1.6345.1.2.5.1.1.9.0	integer	Yes
data.interface_param.parallel_autofeed	1.3.6.1.4.1.6345.1.2.5.1.1.10.0	integer	Yes
data.interface_param.serial_robust	1.3.6.1.4.1.6345.1.2.5.1.1.11.0	integer	Yes
data.interface_param.serial_parity	1.3.6.1.4.1.6345.1.2.5.1.1.12.0	integer	Yes
data.interface_param.low_noise	1.3.6.1.4.1.6345.1.2.5.1.1.13.0	integer	Yes
data.interface_param.get_paper_edge_quote	1.3.6.1.4.1.6345.1.2.5.1.1.14.0	integer	Yes
data.interface_param.job_buzzer_mode	1.3.6.1.4.1.6345.1.2.5.1.1.15.0	integer	Yes
data.interface_param.interface_buffer	1.3.6.1.4.1.6345.1.2.5.1.1.16.0	integer	Yes
data.interface_param.parallel_selectin	1.3.6.1.4.1.6345.1.2.5.1.1.17.0	integer	Yes
data.interface_param.serial_char_bits	1.3.6.1.4.1.6345.1.2.5.1.1.18.0	integer	Yes
data.interface_param.serial_stop_bit	1.3.6.1.4.1.6345.1.2.5.1.1.19.0	integer	Yes
data.interface_param.passbook_type_mode	1.3.6.1.4.1.6345.1.2.5.1.1.20.0	integer	Yes
data.interface_param.msrw_standard(*)	1.3.6.1.4.1.6345.1.2.5.1.1.21.0	integer	Yes
data.interface_param.msrw_end_sentinel(*)	1.3.6.1.4.1.6345.1.2.5.1.1.22.0	integer	Yes
data.interface_param.msrw_displacement(*)	1.3.6.1.4.1.6345.1.2.5.1.1.23.0	integer	Yes
data.interface_param.msrw_duplicate(*)	1.3.6.1.4.1.6345.1.2.5.1.1.24.0	integer	Yes

MENU PARAMETERS MIB's (cont'd)

OBJECT ID	MIB	Type	Read-Write
data.interface_param.msrw_double_field_check(*)	1.3.6.1.4.1.6345.1.2.5.1.1.25.0	integer	Yes
data.interface_param.micr_retry(*)	1.3.6.1.4.1.6345.1.2.5.1.1.26.0	integer	Yes
data.interface_param.passbook_type	1.3.6.1.4.1.6345.1.2.5.1.1.27.0	integer	Yes
data.interface_param.flag_phis_bottom	1.3.6.1.4.1.6345.1.2.5.1.1.28.0	integer	Yes
data.interface_param.language	1.3.6.1.4.1.6345.1.2.5.1.1.29.0	integer	Yes

(*) If MSR/MICR is mounted

OBJECT ID	MIB	Type	Read-Write
Program1 Configuration:			
data.user[0].emulation	1.3.6.1.4.1.6345.1.2.5.2.1.1.1.1	integer	Yes
data.user[0].cpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.2.1	integer	Yes
data.user[0].form_length_index_inch	1.3.6.1.4.1.6345.1.2.5.2.1.1.3.1	integer	Yes
data.user[0].form_length_line	1.3.6.1.4.1.6345.1.2.5.2.1.1.4.1	OctetString	Yes
data.user[0].right_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.5.1	OctetString	Yes
data.user[0].ibm_cs	1.3.6.1.4.1.6345.1.2.5.2.1.1.6.1	integer	Yes
data.user[0].eps_nat	1.3.6.1.4.1.6345.1.2.5.2.1.1.7.1	integer	Yes
data.user[0].vert_resolution	1.3.6.1.4.1.6345.1.2.5.2.1.1.8.1	integer	Yes
data.user[0].wrap	1.3.6.1.4.1.6345.1.2.5.2.1.1.9.1	integer	Yes
data.user[0].eject_on_ff	1.3.6.1.4.1.6345.1.2.5.2.1.1.10.1	integer	Yes
data.user[0].font	1.3.6.1.4.1.6345.1.2.5.2.1.1.11.1	integer	Yes
data.user[0].lpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.12.1	integer	Yes
data.user[0].top_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.13.1	OctetString	Yes
data.user[0].compressed_cpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.14.1	integer	Yes
data.user[0].code_page	1.3.6.1.4.1.6345.1.2.5.2.1.1.15.1	integer	Yes
data.user[0].print_direction	1.3.6.1.4.1.6345.1.2.5.2.1.1.16.1	integer	Yes
data.user[0].refer_edge	1.3.6.1.4.1.6345.1.2.5.2.1.1.17.1	integer	Yes
data.user[0].reset_with_eject	1.3.6.1.4.1.6345.1.2.5.2.1.1.18.1	integer	Yes
data.user[0].download	1.3.6.1.4.1.6345.1.2.5.2.1.1.19.1	integer	Yes
data.user[0].locked	1.3.6.1.4.1.6345.1.2.5.2.1.1.20.1	integer	Yes
data.user[0].left_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.21.1	OctetString	Yes
data.user[0].bottom_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.22.1	OctetString	Yes
data.user[0].eps_set	1.3.6.1.4.1.6345.1.2.5.2.1.1.23.1	integer	Yes
data.user[0].prx_nat	1.3.6.1.4.1.6345.1.2.5.2.1.1.24.1	integer	Yes
data.user[0].line_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.25.1	integer	Yes
data.user[0].zero_slashed	1.3.6.1.4.1.6345.1.2.5.2.1.1.26.1	integer	Yes
data.user[0].cut_eject	1.3.6.1.4.1.6345.1.2.5.2.1.1.27.1	integer	Yes
data.user[0].vpos	1.3.6.1.4.1.6345.1.2.5.2.1.1.28.1	integer	Yes
data.user[0].v_offset	1.3.6.1.4.1.6345.1.2.5.2.1.1.29.1	integer	Yes
data.user[0].hpos	1.3.6.1.4.1.6345.1.2.5.2.1.1.30.1	integer	Yes
data.user[0].h_offset	1.3.6.1.4.1.6345.1.2.5.2.1.1.31.1	integer	Yes
data.user[0].olivetti_cmp	1.3.6.1.4.1.6345.1.2.5.2.1.1.32.1	integer	Yes
data.user[0].quality_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.33.1	integer	Yes
data.user[0].draft_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.34.1	integer	Yes

OBJECT ID	MIB	Type	Read-Write
Program2 Configuration:			
data.user[1].emulation	1.3.6.1.4.1.6345.1.2.5.2.1.1.1.2	integer	Yes
data.user[1].cpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.2.2	integer	Yes
data.user[1].form_length_index_inch	1.3.6.1.4.1.6345.1.2.5.2.1.1.3.2	integer	Yes
data.user[1].form_length_line	1.3.6.1.4.1.6345.1.2.5.2.1.1.4.2	OctetString	Yes
data.user[1].right_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.5.2	OctetString	Yes
data.user[1].ibm_cs	1.3.6.1.4.1.6345.1.2.5.2.1.1.6.2	integer	Yes
data.user[1].eps_nat	1.3.6.1.4.1.6345.1.2.5.2.1.1.7.2	integer	Yes
data.user[1].vert_resolution	1.3.6.1.4.1.6345.1.2.5.2.1.1.8.2	integer	Yes
data.user[1].wrap	1.3.6.1.4.1.6345.1.2.5.2.1.1.9.2	integer	Yes
data.user[1].eject_on_ff	1.3.6.1.4.1.6345.1.2.5.2.1.1.10.2	integer	Yes
data.user[1].font	1.3.6.1.4.1.6345.1.2.5.2.1.1.11.2	integer	Yes
data.user[1].lpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.12.2	integer	Yes
data.user[1].top_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.13.2	OctetString	Yes
data.user[1].compressed_cpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.14.2	integer	Yes
data.user[1].code_page	1.3.6.1.4.1.6345.1.2.5.2.1.1.15.2	integer	Yes
data.user[1].print_direction	1.3.6.1.4.1.6345.1.2.5.2.1.1.16.2	integer	Yes
data.user[1].refer_edge	1.3.6.1.4.1.6345.1.2.5.2.1.1.17.2	integer	Yes
data.user[1].reset_with_eject	1.3.6.1.4.1.6345.1.2.5.2.1.1.18.2	integer	Yes
data.user[1].download	1.3.6.1.4.1.6345.1.2.5.2.1.1.19.2	integer	Yes
data.user[1].locked	1.3.6.1.4.1.6345.1.2.5.2.1.1.20.2	Integer	Yes
data.user[1].left_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.21.2	OctetString	Yes
data.user[1].bottom_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.22.2	OctetString	Yes
data.user[1].eps_set	1.3.6.1.4.1.6345.1.2.5.2.1.1.23.2	integer	Yes
data.user[1].prx_nat	1.3.6.1.4.1.6345.1.2.5.2.1.1.24.2	integer	Yes
data.user[1].line_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.25.2	integer	Yes
data.user[1].zero_slashed	1.3.6.1.4.1.6345.1.2.5.2.1.1.26.2	integer	Yes
data.user[1].cut_eject	1.3.6.1.4.1.6345.1.2.5.2.1.1.27.2	integer	Yes
data.user[1].vpos	1.3.6.1.4.1.6345.1.2.5.2.1.1.28.2	integer	Yes
data.user[1].v_offset	1.3.6.1.4.1.6345.1.2.5.2.1.1.29.2	integer	Yes
data.user[1].hpos	1.3.6.1.4.1.6345.1.2.5.2.1.1.30.2	integer	Yes
data.user[1].h_offset	1.3.6.1.4.1.6345.1.2.5.2.1.1.31.2	integer	Yes
data.user[1].olivetti_cmp	1.3.6.1.4.1.6345.1.2.5.2.1.1.32.2	integer	Yes
data.user[1].quality_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.33.2	integer	Yes
data.user[1].draft_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.34.2	integer	Yes

OBJECT ID	MIB	Type	Read-Write
Program3 Configuration:			
data.user[2].emulation	1.3.6.1.4.1.6345.1.2.5.2.1.1.1.3	integer	Yes
data.user[2].cpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.2.3	integer	Yes
data.user[2].form_length_index_inch	1.3.6.1.4.1.6345.1.2.5.2.1.1.3.3	integer	Yes
data.user[2].form_length_line	1.3.6.1.4.1.6345.1.2.5.2.1.1.4.3	OctetString	Yes
data.user[2].right_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.5.3	OctetString	Yes
data.user[2].ibm_cs	1.3.6.1.4.1.6345.1.2.5.2.1.1.6.3	integer	Yes
data.user[2].eps_nat	1.3.6.1.4.1.6345.1.2.5.2.1.1.7.3	integer	Yes
data.user[2].vert_resolution	1.3.6.1.4.1.6345.1.2.5.2.1.1.8.3	integer	Yes
data.user[2].wrap	1.3.6.1.4.1.6345.1.2.5.2.1.1.9.3	integer	Yes
data.user[2].eject_on_ff	1.3.6.1.4.1.6345.1.2.5.2.1.1.10.3	integer	Yes
data.user[2].font	1.3.6.1.4.1.6345.1.2.5.2.1.1.11.3	integer	Yes
data.user[2].lpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.12.3	integer	Yes
data.user[2].top_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.13.3	OctetString	Yes
data.user[2].compressed_cpi	1.3.6.1.4.1.6345.1.2.5.2.1.1.14.3	integer	Yes
data.user[2].code_page	1.3.6.1.4.1.6345.1.2.5.2.1.1.15.3	integer	Yes
data.user[2].print_direction	1.3.6.1.4.1.6345.1.2.5.2.1.1.16.3	integer	Yes
data.user[2].refer_edge	1.3.6.1.4.1.6345.1.2.5.2.1.1.17.3	integer	Yes
data.user[2].reset_with_eject	1.3.6.1.4.1.6345.1.2.5.2.1.1.18.3	integer	Yes
data.user[2].download	1.3.6.1.4.1.6345.1.2.5.2.1.1.19.3	integer	Yes
data.user[2].locked	1.3.6.1.4.1.6345.1.2.5.2.1.1.20.3	integer	Yes
data.user[2].left_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.21.3	OctetString	Yes
data.user[2].bottom_margin	1.3.6.1.4.1.6345.1.2.5.2.1.1.22.3	OctetString	Yes
data.user[2].eps_set	1.3.6.1.4.1.6345.1.2.5.2.1.1.23.3	integer	Yes
data.user[2].prx_nat	1.3.6.1.4.1.6345.1.2.5.2.1.1.24.3	integer	Yes
data.user[2].line_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.25.3	integer	Yes
data.user[2].zero_slashed	1.3.6.1.4.1.6345.1.2.5.2.1.1.26.3	integer	Yes
data.user[2].cut_eject	1.3.6.1.4.1.6345.1.2.5.2.1.1.27.3	integer	Yes
data.user[2].vpos	1.3.6.1.4.1.6345.1.2.5.2.1.1.28.3	Integer	Yes
data.user[2].v_offset	1.3.6.1.4.1.6345.1.2.5.2.1.1.29.3	Integer	Yes
data.user[2].hpos	1.3.6.1.4.1.6345.1.2.5.2.1.1.30.3	integer	Yes
data.user[2].h_offset	1.3.6.1.4.1.6345.1.2.5.2.1.1.31.3	integer	Yes
data.user[2].olivetti_cmp	1.3.6.1.4.1.6345.1.2.5.2.1.1.32.3	integer	Yes
data.user[2].quality_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.33.3	integer	Yes
data.user[2].draft_mode	1.3.6.1.4.1.6345.1.2.5.2.1.1.34.3	integer	Yes

Program4 Configuration:**OBJECT ID**

data.user[3].emulation
 data.user[3].cpi
 data.user[3].form_length_index_inch
 data.user[3].form_length_line
 data.user[3].right_margin
 data.user[3].ibm_cs
 data.user[3].eps_nat
 data.user[3].vert_resolution
 data.user[3].wrap
 data.user[3].eject_on_ff
 data.user[3].font
 data.user[3].lpi
 data.user[3].top_margin
 data.user[3].compressed_cpi
 data.user[3].code_page
 data.user[3].print_direction
 data.user[3].refer_edge
 data.user[3].reset_with_eject
 data.user[3].download
 data.user[3].locked
 data.user[3].left_margin
 data.user[3].bottom_margin
 data.user[3].eps_set
 data.user[3].prx_nat
 data.user[3].line_mode
 data.user[3].zero_slashed
 data.user[3].cut_eject
 data.user[3].vpos
 data.user[3].v_offset
 data.user[3].hpos
 data.user[3].h_offset
 data.user[3].olivetti_cmp
 data.user[3].quality_mode
 data.user[3].draft_mode

MIB	Type	Read-Write
1.3.6.1.4.1.6345.1.2.5.2.1.1.1.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.2.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.3.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.4.4	OctetString	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.5.4	OctetString	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.6.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.7.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.8.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.9.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.10.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.11.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.12.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.13.4	OctetString	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.14.4	Integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.15.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.16.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.17.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.18.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.19.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.20.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.21.4	OctetString	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.22.4	OctetString	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.23.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.24.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.25.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.26.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.27.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.28.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.29.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.30.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.31.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.32.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.33.4	integer	Yes
1.3.6.1.4.1.6345.1.2.5.2.1.1.34.4	integer	Yes

7.7.3 MENU PARAMETERS MIB VALUES

The following tables show the MIB range values assigned to the menu parameters.

COMMON CONFIGURATION PARAMETERS

OID	MIB Range	Menu Range	Note
data.interface_param.user_id	0 1 2 3 4	Program1 Program2 Program3 Program4 On Interface	Program Selected
data.interface_param.interface_type	0 1 2 3 4 5	Centronics RS232 USB LAN Financial Automatic	Interface type
data.interface_param.interface_testpe	0 1	Disable Enable	Ignore Pe (Par. IF)
data.interface_param.serial_protocol	0 1 2 3 4	DTR+SRTS SRTS XON/XOFF ETX/ACK ON/XOFF+DTR+SRTS	Buffer Control
data.interface_param.serial_baud	0 1 2 3 4 5	1200 2400 4800 9600 19200 38400	Baud Rate
data.interface_param.copies	0 1	Yes No	Copies
data.interface_param.edge_detection	0 1	Normal Safe	Edge Detection
data.interface_param.flag_phis_bottom	0 1	No Yes	Safe Bottom Edge
data.interface_param.buzzer_mode	0 1	Disable Enable	Error Buzzer
data.interface_param.ibm_financial	0 1 2	Disable Honour CTS Ignore CTS	Honour Cts
data.interface_param.parallel_autofeed	0 1	Disable Enable	Autofeed Signal
data.interface_param.serial_robust	0 1	Disable Enable	Robust Xon
data.interface_param.serial_parity	0 1 2 3 4	None Even Odd Space Mark	Parity Bit
data.interface_param.low_noise	0 1	Yes No	Low Noise
data.interface_param.get_paper_edge_quote	0 1 2 3 4 5 6 7	0/4" 1/4" 2/4" 3/4" 4/4" 5/4" 6/4" 7/4"	Get Edge Quote

COMMON CONFIGURATION PARAMETERS (cont'd)

OID		MIB Range	Menu Range	Note
data.interface_param.job_buzzer_mode		0 1 2	No Beep 1 Beep Continuos	Job Buzzer
data.interface_param.parallel_selectin		0 1	Disable Enable	Select In Signal
data.interface_param.serial_char_bits		0 1	7 bit 8 bit	Serial Word Length
data.interface_param.serial_stop_bit		0 1	ONE TWO	Serial Stop Bit
data.interface_param.passbook_type_mode		0 1	Setup SW Control	Passbook type mode
data.interface_param.passbook_type		0 1 2	Fixed Thick Vertical Horizontal	Passbook type
data.interface_param.msrw_standard		0 1 2 3 4	IBM 3604 DIN 32744 ANSI BURR. 1 BURR. 2	MSRW Standard
data.interface_param.msrw_end_sentinel		0 1	C F	MSRW End Sentinel
data.interface_param.msrw_displacement		0 1 2	Standard +10 +20	MSRW Displacement
data.interface_param.msrw_duplicate		0 1	No Yes	Duplicate
data.interface_param.msrw_double_field_check		0 1	No Yes	MSRW DBL Field Ch.
data.interface_param.micr_retry		0 1 2	1 2 3	MSRW Retry

PROGRAM 1-2-3-4 CONFIGURATION PARAMETERS

OID	MIB Range	Menu Range	Note
data.user[x].emulation	0 1 2 3 4 5 6 7 8 9	EPSON 570 IBM X24E X24E AGM IBM 2390 OLI PR24+ OLI PR2 OLI PR2845 IBM 4722 IBM 9060 HPR 4915	Protocol (Emulation)
nvm_data.user[x].cpi	0 1 2 3 4 5	10 cpi 12 cpi 15 cpi 16.6 cpi 17.1 20 cpi	Horizontal Pitch
data.user[x].form_length_index_inch	0 1 2 3	A4 Letter A5 Legal	FormLength
data.user[x].form_length_line	1-255	#lines value	FormLength Line
data.user[x].right_margin	0-190	Right margin Value	Right Margin
data.user[x].ibm_cs	0 1	IBM set1 IBM set2	Ibm Char Set
data.user[x].eps_nat	0 1 2 3 4 5 6 7 8 9 10 11	USA FRANCE GERMANY ENGLAND DENMARK1 SWEDEN ITALY SPAIN1 NORWAY DENMARK2 SPAIN2 LATIN A1	Nation Char Set
data.user[X].vert_resolution	0 1	1/216" 1/240"	Vertical Resolution
data.user[X].wrap	0 1	Truncate Autowrap	Wrap Mode
data.user[x].eject_on_ff	0 1	On Off	Eject on ff
data.user[x].font	0 1 2 3 4 5 6	Draft Courier Gothic Prestige OCR-A Script Boldface	Font
data.user[x].lpi	0 1 2	5 lpi 6 lpi 8 lpi	Vertical Pitch (LPI)
data.user[x].top_margin	0-90	Top Margin value	Top Margin
data.user[x].compressed_cpi	0 1	17.1 cpi 20 cpi	Ibm Compress

PROGRAM 1-2-3-4 CONFIGURATION PARAMETERS (cont'd)

OID	MIB Range	Menu Range	Note
data.user[x].code_page	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	CP437 CP4376 96GREEK CP850 CP851 CP852 CP853 CP855 CP857 CP858 CP860 CP862 CP864 CP865 CP866 CP867 CP876 CP877 CP1098 CP1250 CP1251 CP1252 GOST TASS MAZOWIA CP437SL UKRAIN 8859/1 8859/2 8859/3 8859/4 8859/5 8859/6 8859/7 8859/8 8859/9 ROMAN-8 ID12 ID14 ID17 SANYO KU PHILIP	Code Page
data.user[x].print_direction	0 1 2	Unidir. Bidir. sw control	Print Direction
data.user[x].refer_edge	0 1	Right Left	Reference Edge
data.user[x].reset_with_eject	0 1	Yes No	Reset with Eject
data.user[x].download	0 1	Disable Enable	Downline loading
data.user[x].locked	0 1 2 3	No Lock Font Hor. Pitch Font + hor. Pitch	Lock
data.user[x].left_margin	0 - 90	Left Margin value	Left Margin
data.user[x].bottom_margin	0 - 90	Bottom Margin value	Bottom Margin
data.user[x].eps_set	0 1	Italic Graphic	Epson Char Set

PROGRAM1-2-3-4 CONFIGURATION PARAMETERS (cont'd)

OID	MIB Range	Menu Range	Note
data.user[x].prx_nat	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Code page International Germany Portugal Spain1 Denmark/Norway France Italy Sweden/Finland Swiss G.B. USA/ASCII Greece Israel Spain2 Jugoslavia	Olivetti Char Set
data.user[x].line_mode	0 1 2 3	LF=CR CR=LF CR LF=LF+CR LFCR=LF + CR	Line Mode
data.user[x].zero_slashed	0 1	Yes No	Slashed Zero
data.user[x].cut_eject	0 1	On Front Rear	Cut sheet eject
data.user[x].vpos	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	-6 -5 -3 -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9	Vertical position offset
data.user[x].v_offset	0 1 2 3 4 5 6 7 8 9 10 11	-6 -5 -3 -2 -1 0 +1 +2 +3 +4 +5 +6	Vertical offset tuning
data.user[x].hpos	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	-6 -5 -3 -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9	Horizontal position offset

PROGRAM1-2-3-4 CONFIGURATION PARAMETERS (cont'd)

OID	MIB Range	Menu Range	Note
data.user[x].h_offset	0 1 2 3 4 5 6 7 8 9 10 11	-6 -5 -3 -2 -1 0 +1 +2 +3 +4 +5 +6	Horizontal offset tuning
data.user[x].olivetti_cmp	0 1	17.1 cpi 16.6 cpi	Olivetti Compress
data.user[x].quality_mode	0 1	lq nlq	Quality Mode
data.user[x].draft_mode	0 1 2	draft hsd vhsd	Draft Mode



COMPUPRINT s.r.l.
Via Lombardore, 282
10040 Leini (TO)
ITALY

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