

# SP C440DN

Colour Laser Printer

Printer



SP C440DN

40  
ppm

B&W  
Colour

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This sales guide is to be used by sales staff as a training aid. It is not a sales tool and should not be shared with customers. Whilst care has been taken to ensure the information provided in this guide is accurate, no liability will be accepted for errors or omissions.



## 1. Introduction

SP C440DN is a hard-working business asset that will pay dividends for years to come. With its powerful controller and fast A4 print engine, Nashuatec's new colour printer will keep pace with the busiest workgroups, producing high quality colour and black-and-white output at pace. SP C440DN's long life supplies seldom need replenishing and with up to 2,300 sheets of paper online, SP C440DN will run and run.



SP C440DN succeeds SP C430DN and SP C431DN. Producing 40 high-resolution colour and/or black and white prints a minute, SP C440DN offers existing customers a 14% increase in productivity over SP C430DN with no increase in price. Other notable enhancements include a new GWNX controller, optional second NIC port and new energy-saving features, including an Eco-night sensor and low-energy sleep mode.

SP C440DN is a network ready colour laser printer. It supports PCL and PostScript printing and is equipped with a duplex, 550 sheet paper tray and a 100 sheet bypass. The standard paper capacity of 650 sheets can be increased to 2,300 sheets with the addition of up to 3 optional 550 sheet paper feed units. The printer automatically switches between paper trays to deliver productive non-stop performance.

Designed to meet the everyday colour and black-and-white print requirements of busy workgroups in the general office, SP C440DN will be used to print letters and proposals, presentations, newsletters and reports. Equipped with the IPDS print option\*, SP C440DN can also be used to print transactional documents, such as invoices and statements generated by mainframe computer systems.

SP C440DN can also be used to target the financial and healthcare markets. Equipped with an optional second NIC port, SP C440DN will support two print networks simultaneously, simplifying support and saving money. The use of separate print networks is common in the financial and healthcare sectors where, to protect confidentiality, customer/patient information is maintained in a separate closed network.

Professionally presented output is a given. Vibrant colours and sharply defined text are produced at true 1,200 x 1,200 dpi resolution. SP C440DN supports POP print optimisation and Pantone colour matching, making it easy to produce high impact signage and graphics, including banners and multipage posters.

SP C440DN will be appreciated by cost conscious customers as it is a low TCO (total cost of ownership) solution that offers lifetime cost savings. With its high yield consumables reducing page costs, SP C440DN boasts the lowest TCO of the printers in its class. Serviced on a PpP basis as part of a balance deployment of Nashuatec printers and MFPs, SP C440DN will help to reduce print overheads.

This guide explores the functionality of the new products in more detail, explaining new features and identifying key selling points. It also provides side-by-side comparisons of competitor engines.

\* Available in February 2016

## 2. Sales Highlights

### Productive workgroup print solution

With its powerful controller and productive engine, SP C440DN will keep pace with the busiest workgroups. SP C440DN's high-performance controller, equipped with 1 GB of RAM, rapidly processes large files. Urgent one-off prints are delivered in less than 10/15 seconds (B&W/Colour) and multipage documents at a brisk 40/40 A4 ppm (B&W/Colour). SP C440DN's long life supplies seldom need replenishing and with up to 2,300 sheets of paper online (optional), SP C440DN will run and run.

- Productive 40 ppm throughput in colour and black and white
- Urgent one-off prints delivered in less than 10/15 seconds (B&W/Colour)
- High yield toner cartridges (24k colour / 21k black) seldom need replenishing
- Automatic tray switching enables non-stop production (requires optional 2nd, 3rd or 4th tray)
- 150,000 page duty cycle supports high peaks in demand



### Consistently excellent image quality

SP C440DN produces consistently excellent colour and black-and-white output. With true 1,200 x 1,200 dpi resolution, vibrant colours and sharply defined text are a given. And, with SP C440DN supporting POP (point-of-purchase) print optimisation and Pantone colour matching, it is easy to produce high impact signage and graphics, including banners of up to 1260 mm in length as well as multipage posters.

- True 1,200 x 1,200 dpi resolution delivers vibrant colours and sharply defined text
- Pantone colour matching faithfully reproduces logo colours
- POP (point-of-purchase) optimisation makes colours stand out
- Automatic colour calibration ensures consistent output quality
- High impact banners and multipage posters are easily printed



### Low total cost of ownership

SP C440DN offers exceptional value for money. The new printer is more productive than its predecessor and yet shares the same competitive price point. And, with its high-yield consumables reducing page costs, SP C440DN boasts the lowest TCO (total cost of ownership) of all printers in its class. Indeed, the more SP C440DN is used, the greater the savings. Serviced on a PpP (pay per page) basis as part of a balanced deployment of Nashuatec printers and MFPs, SP C440DN will help to reduce print overheads.

- Improved performance, same competitive price point
- High yield consumables drive down page costs
- Economy colour mode reduces toner consumption
- Lowest TCO (total cost of ownership) of all printers in its class
- Ideal for high-volume applications as savings increase with use



## Versatile media support

Improving flexibility, SP C440DN can hold up to five different media types/sizes online. The standard paper capacity of 650 sheets can be increased to 2,300 sheets with the addition of up to three optional 550 sheet paper feed units. Using the bypass tray, it is easy to print onto non-standard media, such as card and banner stock. SP C440DN also supports poster printing allowing the user to create tiled, multipage promotional posters.

- 2,300 sheet capacity from five paper sources (requires optional 2nd, 3rd and 4th tray)
- Use regular trays to feed letterheads, envelopes and labels (52 to 220 gsm)
- Improve response rates by printing promotional messages onto envelopes
- Use the active bypass to feed card and banner stock (52 to 256 gsm)
- Print tiled, multipage colour promotional posters



## Reduce carbon emissions

SP C440DN is one of the most energy-efficient printers in its class and can be used as part of a sustainable green office solution. SP C440DN's low energy sleep mode - best-in-class at <1W - helps to reduce daytime power consumption whilst its innovative ECO Night Sensor cuts the power completely when dusk falls. And, to reduce paper consumption, duplex is set as the default print mode.

- Weekly on/off timer powers SP C440DN up ready for use
- Best in class <1W low-energy sleep mode reduces power consumption
- ECO Night Sensor switches off the printer when dusk falls
- Duplex default and N-Up print facility reduce paper consumption
- Low TEC (typical energy consumption) of 4.3 kWh minimises carbon footprint



## Securely connected

The network ready devices can be deployed in Windows and Mac print environments. SP C440DN supports PCL and PS3 printing and, with the IPDS option\*, can print transactional data from host systems. Equipped with an optional 2nd NIC port, SP C440DN will support two print networks simultaneously, simplifying support and saving money. These might include open and closed (secure) networks, such as those used in healthcare and banking.

- Nashuatec's universal print driver allows easy integration with current machine base
- Point and click PCL and PS3 drivers simplify print process
- IPDS option\* enables SP C440DN to replace line printers and print transactional data
- Optional second NIC port enables simultaneous connection to two print networks
- Eliminates the need for two printers when running open and closed networks



\* Available in February 2016

### 3. Product Positioning

- Colour workgroup / departmental printer
- Succeeds SP C430DN: higher productivity / same price point
- Low best-in-class TCO (total cost of ownership)
- GWNX controller and universal driver allow easy integration
- Excellent productivity and superior image quality
- General office colour and black and white print applications

SP C440DN succeeds SP C430DN/C431DN in Nashuatec's colour workgroup printer range. Producing 40 high resolution colour and/or black-and-white prints a minute, SP C440DN offers customers a 14% increase in productivity over the SP C430DN with no increase in price. Other notable enhancements include a new GWNX controller, optional second NIC port and new energy-saving features, including an Eco-night sensor and low-energy sleep mode.

SP C440DN is TCO solution. It boasts a competitive price point and low running costs. In fact, the more SP C440DN is used, the greater the savings and, in mid to high volume applications - anything over 1,000 prints a month - SP C440DN returns the lowest (best-in-class) total cost of ownership. Serviced on a PpP (pay per page) basis as part of a balanced deployment of Nashuatec printers and MFPs, SP C440DN will help to reduce print overheads.



## 4. Configuration and Order Codes

### Standard Configuration

SP C440DN is a network ready colour printer. It supports PCL and postscript printing and is equipped with a duplex, 550 sheet paper tray and a 100 sheet multi-bypass. It features a GWNX controller and has a four line LCD display.



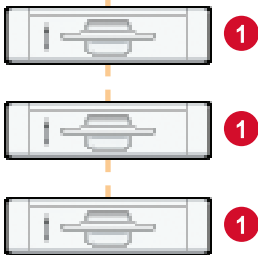
- 1 = 500 sheet delivery tray
- 2 = 4-line LCD
- 3 = Duplex (internal)
- 4 = 100 sheet bypass (behind cover)
- 5 = 550 sheet paper tray

### Peripheral Options

The paper capacity can be increased to 2,300 sheets with the addition of up to three 550 sheet paper feed units and, according to the tray configuration, the printer can be positioned on a desk or floor mounted using a caster table or cabinet.



- 1 = 550 sheet paper tray (one, two or three units)
- 2 = High cabinet (not shown, see below for configuration)
- 3 = Low cabinet (not shown, see below for configuration)
- 4 = Caster table (not shown, see below for configuration)



Cabinet and Paper Tray Configuration - SP C440DN			
Mainframe Only	Mainframe and one PFU	Mainframe and two PFUs	Mainframe and three PFUs
Desk or high cabinet	Desk or low cabinet	Low cabinet	Caster table

### Functional Options

Functional options include a 320 GB hard disk drive, a VM card, IPDS printing\*, XPS printing, a second NIC port and wireless, parallel and PctBridge interfaces.

Functional Configuration - SP C440DN	
Printer languages	PCL 5c/6, PS3, PDF direct print (standard) / IPDS, XPS direct print, PctBridge [JPEG/TIFF], Novell Netware (options)
Interfaces	Gigabit ethernet, USB2.0, SD card slot (standard) / 2nd NIC, IEEE802.11 a/b/g/n (wireless), IEEE1284 (parallel), PctBridge (options)
Memory	1 GB RAM (standard) / 320 GB HDD (option)

\* Available in February 2016

## EDP Codes and Dependencies

EDP Codes and Dependencies - SP C440DN					
Category	Item	Product Name	EDP Code	Must install	Cannot install
Mainframe	SP C440DN Printer	SP C440DN	407774	-	-
Paper Feed	550 sheet paper feed unit	Paper Feed Unit PB1020	406681	-	More than 3 units
Cabinets	Tip-resistant caster table with wheels	Caster Table Type C	972523	-	High cabinet or low cabinet
	Low cabinet	Low Cabinet	972524	-	Caster table or high cabinet
	High cabinet	High Cabinet	972525	-	Caster table or low cabinet
Printing	IPDS printing	IPDS Unit Type P7	407778	-	*1
	XPS direct print	XPS Direct Print Option Type P7	407782	-	*1
Network	2nd NIC port	USB Device Server Option Type M12	417091	-	Wireless interface or Parallel interface
	Wireless interface	IEEE802.11 Interface unit Type O	407113	-	2nd NIC port or parallel interface
	Parallel interface	IEEE1284 Interface Board Type A	411699	-	2nd NIC port or wireless interface
	PctBridge camera interface	Camera Direct Print Card Type P7	407780	-	*1
Functional	320 GB hard disk drive	Hard Disk Drive Option Type P7	407776	-	-
	VM card	VM Card Type P7	407785	-	*1

\*1 Two can be installed simultaneously. To install three or more, a single SD card must be created which includes all functions

Consumable EDP Codes - SP C440DN			
Item	Product Name	EDP Code	Yield
Black Toner	Print Cartridge Black SP C430E	821204	21,000 pages*1
Yellow Toner	Print Cartridge Yellow SP C430E	821205	24,000 pages*1
Magenta Toner	Print Cartridge Magenta SP C430E	821206	24,000 pages*1
Cyan Toner	Print Cartridge Cyan SP C430E	821207	24,000 pages*1
Transfer Unit	Transfer Unit SP C430	406664	100,000 pages*2
Waste Toner Bottle	Waste Toner Bottle SP C430	406665	50,000 pages*3
Fusing Unit	Fusing Unit SP C430	406667	120,000 pages*2
Black PCDU	Black Drum Unit SP C430	406662	50,000 pages*2
Colour PCDU	Colour Drum Unit SP C430	406663	50,000 pages*2
Recycled Black PCDU	Black Drum Unit SP C430	407177	50,000 pages*2
Recycled Colour PCDU	Colour Drum Unit SP C430	407178	50,000 pages*2

\*1 Measured based on ISO/IEC 19798

\*2 A4/letter 5% test chart; 2 pages/job; Colour Drum Unit: colour printing only

\*3 A4/letter 5% test chart; 2 pages/job; 50% B&W/50% colour printing



## 5. Target Markets

Network ready and highly productive, SP C440DN is designed to meet the everyday colour and black-and-white print needs of general office workgroups, where it will be used to print letters and proposals, presentations, newsletters and reports. Equipped with the IPDS print option\*, SP C440DN can also be used to print transactional documents, such as invoices and statements. SP C440DN will be appreciated by cost conscious customers because it is a TCO solution that offers lifetime cost savings.

When configured with an optional second NIC port, SP C440DN can support two print networks, negating the need for a second printer. The use of separate print networks is common in finance and healthcare where, to protect confidentiality, customer/patient information is maintained in a separate closed network, independently of general office communication. This means that the financial and healthcare vertical markets are key verticals for SP C440DN.

\* Available in February 2016

Target Market	SMBs and Large Enterprises	IT/Finance Departments	Financial Services	Healthcare
Target Workflow	General office printing including letters, proposals, presentations, newsletters and reports.	Transactional documents, including invoices, statements and letters generated by mainframe computer systems.	Customer confidential financial information, maintained in a secure network, as well as general business communication.	Patient confidential medical information, maintained in a secure network, as well as general office communication.
SP C440DN Advantages	Productive, network ready, PCL and PS3 print drivers, high quality output, large paper capacity, long life consumables, low TCO.	Single device prints transactional data and general office communication, saving money and improving productivity.	Single device prints confidential financial documents and general office communication, saving money and simplifying support.	Single device prints confidential medical documents and general office communication, saving money and simplifying the print infrastructure.

High-level business drivers will include:

Business Driver	Nashuatec Solution	Customer Benefit
Reduce expenditure	TCO solution offering best-in-class (lowest) running costs	Significant lifetime cost savings
Improve productivity	40ppm, 2,300 sheet capacity, high yield consumables, 150k duty cycle	Fast throughput and minimal downtime
Easy deployment	Network ready printer with point-and-click PCL and PS3 drivers	Simple deployment offering support for Windows and Mac
Cut emissions	Low TEC rating, on/off timer and ECO-night sensor	Cuts energy consumption, reducing carbon footprint
Uniform solution	GWNX controller and universal print driver	Easy integration with other Nashuatec devices
Maintain security	Optional second NIC port supports separate secure networks	Simplifies infrastructure and protects confidential data




## 6. Key Features

Mainframe - SP C440DN		
Feature	Advantage	Benefit
A4 print engine	Low cost, space saving alternative to A3 printer.	Saves money whilst meeting majority of office print needs.
Two-tone styling	Smart appearance complements the compact design.	SP C440DN has a smart, businesslike appearance.
High contrast operation panel	Black panel with back lit four-line LCD and silver buttons.	Visually appealing and easy to use.
Status LEDs	LEDs positioned on the front edge of the control panel provide status feedback.	Users can see at a glance whether the machine is online, receiving data or in need of attention.


Paper Handling - SP C440DN		
Feature	Advantage	Benefit
550 sheet paper tray	The front loading paper tray holds 550 sheets will feed paperweights of 52 to 220 gsm.	Hold a full ream of paper, eliminating need to store opened packs. Heavyweight media can be fed from standard trays.
100 sheet bypass	The front loading bypass holds 100 sheets will feed paperweights of 52 to 256 gsm.	It takes seconds to load labels, card and other non-standard media for printing.
2,300 sheet maximum paper capacity	Up to 3 additional 550 sheet paper trays can be added, increasing maximum paper capacity to 2,300 sheets.	A wider variety of paper stocks can be held on line, reducing time spent changing or replenishing paper.



Versatile media support	The paper trays and duplex support media weights of 52 to 220 gsm and the bypass supports media weights of 52 to 256 gsm.	Add impact by printing onto thick paper, letterhead paper and other non-standard media.
Auto paper select	The printer automatically selects paper from a tray matching the specified paper size and orientation.	Reduces waste by eliminating the risk of work being printed onto paper of the wrong size or orientation.
Auto tray switching (requires option 2nd, 3rd or 4th tray)	SP C440DN can automatically switch between paper trays. One tray can be replenished whilst the other is in use.	Replenish paper without interrupting the print process and support non-stop production.
Sub paper size setting	If a letter-size job (US format) is printed, SP C440DN will automatically adjust the print area for A4 paper.	Reduces waste by ensuring that letter and A4 documents are printed correctly irrespective of the paper loaded.
Front cover sheet	Card or other special media can be set in a specified tray and selected as a front cover. The cover can be printed or left blank.	Adding a front cover can improve a document's appearance. Cover sheet mode automates and speeds the process.
Integral duplex	SP C440DN is equipped with a duplex unit.	Printing double-sided saves paper and looks more professional.

Network - SP C440DN		
Feature	Advantage	Benefit
Network ready 	SP C440DN has a gigabit ethernet interface and there are parallel and wireless interface options.	Workgroup users can share the same device, improving access and saving space.
Wireless option	A wireless interface, which supports WPS protected setup, is offered as an option. The Wifi option supports the latest high speed protocols.	Improves access as the device can be used in a wireless print environment.
PictBridge option	With the PictBridge option fitted, SP C440DN can print images directly from a digital camera.	Saves time and simplifies the print process as photographs do not need to be downloaded to PC/Mac for printing.
2nd NIC port	SP C440DN can also be connected simultaneously to two networks.	Reduces capital cost and simplifies print infrastructure as one printer can support two print networks.

## Printing - SP C440DN


Feature	Advantage	Benefit
<p>True 1,200 x 1,200 dpi print resolution</p> 	<p>SP C440DN produces colour and black- and-white prints of immaculate 1,200 dpi resolution.</p>	<p>Output can be used for customer facing applications, such as brochures and flyers.</p>
<p>Pantone support</p>	<p>A palette of 1137 supported Pantone colours can be imported into publishing applications such as InDesign.</p>	<p>SP C440DN can accurately replicate logo colours.</p>
<p>POP colour optimisation</p>	<p>Enhances colours to make them stand out.</p>	<p>Create vivid eye-catching point-of-purchase collateral inhouse.</p>
<p>Banner printing</p>	<p>Banner stock of up to 1.26m in length can be fed using the bypass.</p>	<p>Colourful banners can be printed in house, saving time and money.</p>
<p>PCL and PS3 drivers</p>	<p>SP C440DN supports PCL and PostScript printing.</p>	<p>SP C440DN can easily be deployed in Windows and Mac print environments.</p>
<p>One-click print drivers</p>	<p>The standard PCL and PS3 drivers feature icon based point and click settings.</p>	<p>Point and click PCL and PS3 drivers simplify print process.</p>
<p>Universal driver</p>	<p>SP C440DN supports Nashuatec's universal print driver, a single driver, which can be used across a fleet of Nashuatec devices.</p>	<p>The driver can be with the latest Nashuatec printers and MFPs, simplifying operation and reducing IT support requirements.</p>
<p>PDF Direct print</p>	<p>PDF documents can be printed directly to the printer. The files are processed by the printer rather than the PC.</p>	<p>Releases computer resource and reduces network traffic.</p>
<p>XPS direct print (option)</p>	<p>SP C440DN also supports XPS direct print. XPS is an XML based document format similar to PDF, promoted by Microsoft.</p>	<p>Compatible with newly emerging print format.</p>
<p>IPDS (option - available in February 2016)</p>	<p>SP C440DN can print transactional documents, such as invoices and statements, generated by mainframe systems.</p>	<p>Eliminates need for dedicated line printers, simplifying print infrastructure and reducing capital expenditure.</p>

## Security - SP C440DN

Feature	Advantage	Benefit
<p>Next Generation (GWNX) controller</p>	<p>SP C440DN shares the same advanced controller architecture as Nashuatec's latest A3</p>	<p>Common interface automates workflow, establishes governance and enforces security.</p>
<p>Hard drive option</p>	<p>The optional 320GB HDD enables print features such as locked print, stored print and hold print.</p>	<p>Provides additional control over the print environment and safeguards document security.</p>
<p>HDD Encryption (requires HDD option)</p>	<p>Encrypts the address book, authentication information and stored documents.</p>	<p>Protects security by encrypting documents.</p>
<p>Banner page print (requires HDD option)</p>	<p>A job sheet can be printed before a print job which identifies the originator.</p>	<p>Makes it easier to identify work in a busy environment.</p>

Mandatory hold print (requires HDD option)	When mandatory hold print is activated by the administrator, print output is held in the document server until released at the printer by the originator.	Protects confidentiality and reduces waste.
Mandatory security information (requires HDD option)	Automatically append security information such as the user ID, date, time, IP address and printer serial number to every document printed.	Improves document security by establishing a printed audit trail.

Environment - SP C440DN		
Feature	Advantage	Benefit
On/off timer	Weekly time enables printer to be turned on/off according a predetermined schedule.	Simplifies device management, ensuring that the device is ready when required and saving energy when it is not.
Low-energy sleep mode  <b>*** Best-in-Class***</b>	Best in class <1W low-energy sleep mode reduces power consumption.	Reduces energy consumption when the printer is idle.
ECO Night Sensor	A light sensor automatically switches the printer off when dusk falls.	Automatically switches off the printer, saving energy.
Low TEC rating	New features such as the on/off timer, low-energy sleep mode and ECO Night Sensor reduce energy consumption.	One of the most energy-efficient printers in its class, SP C440DN can be used as part of a sustainable green office solution.

Service and Support - SP C440DN		
Feature	Advantage	Benefit
Separate component consumables	Drums and toner and other consumable items can be replaced independently of each other.	Separate component consumables have a longer life than all-in-one consumables, leading to lower page costs.
High yield toner  	Each colour toner cartridge has a target yield of 24,000 pages (declared yield value in accordance with ISO/IEC 19798).	High yield toner needs replenishing less frequently, reducing downtime. They are also cheaper to buy, helping to minimise page costs.
Economy colour mode	Reduces toner density of graphics whilst still producing legible, high quality output.	Reduces toner consumption when printing internal documents, saving money.
Remote monitoring	SP C440DN supports @Remote, remote monitoring and diagnostics tool.	Remote monitoring safeguards reliable performance and reduces service downtime.

## 7. Specifications

General Specifications - SP C440DN			
Configuration	Desktop		
Warm-up time	46 seconds		
First output speed	Full colour	15 seconds	
	B/W	10 seconds	
Print speed	Full colour	A4	40 pages per minute
		A4 duplex	40 pages per minute
	B/W	A4	40 pages per minute
		A4 duplex	40 pages per minute
Memory	Standard	1 GB	
	Maximum	1 GB	
HDD	Option	320 GB	
Duty cycle	150,000 prints per month		
Life	5 years or 1,200,000 output		
Duplex	Yes		
Dimensions (W x D x H)	444 x 658 x 490 mm		
Weight	57 kg		

Printer Specifications - SP C440DN			
RAM	Standard	1 GB	
	Maximum	1 GB	
HDD	320 GB (Option)		
Printer language	Standard	PCL5c	
		PCL6	
		Adobe® PostScript® 3™	
		PDF	
		PDF direct print	
	Option	XPS	
		IPDS (available in February 2016)	
		FictBridge	
Print resolution	600 x 600 dpi		
	1,200 x 1,200 dpi		
Interface	Standard	USB 2.0	
		SD slot	
		Gigabit Ethernet (10 base-T/100 base-TX/1000 Base-T)	
	Option	Bi-directional IEEE 1284	
		Wireless LAN (IEEE 802.11a/b/g/n)	
		NIC2 Port	
Windows® environments	Windows® Vista		
	Windows® 7		
	Windows® 8		
	Windows® 8.1		

	Windows® Server 2003 Windows® Server 2003R2 Windows® Server 2008 Windows® Server 2008R2 Windows® Server 2012 Windows® Server 2012R2	
Mac OS environments	Macintosh OS X v10.7 - v10.10	
UNIX environments	UNIX Sun® Solaris	2.9 2.10
	HP-UX	11.x 11i v2 11i v3
	SCO OpenServer	5.0.7 6.0
	RedHat® Linux Enterprise	4 5 6
	IBM® AIX	5L v5.3 5L v6.1 5L v7.1
SAP® R/3® environments	SAP® R/3®	
Printer driver features	Sample print Locked print Hold print Stored print Store and print Reduce/enlarge(zoom/scaling) Layout (N-up, page per sheet) Duplex Collate Banner Page Print (Job Sheet Print) Rotate by 180 degrees Black over print CLP colour simulation User ID User code PDF direct print PctBridge Classification code Bonjour (Rendezvous) support Windows® Active Directory support DDNS support	

	<p>PCL resident font adoption</p> <p>Tray-parameter change from Web Image Monitor</p> <p>1,200 dpi support</p> <p>Mobile driver</p> <p>XPS support</p> <p>WSprinter</p> <p>Wireless LAN interface option</p> <p>Auto Job Promotion</p> <p>Poster Print</p> <p>WPS (WiFi Protected Set-up) support</p>
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Paper Specifications - SP C440DN		
Recommended paper size	Standard paper tray(s)	<p>A4</p> <p>A5</p> <p>A6</p> <p>B5</p> <p>B6</p> <p>Legal</p> <p>Letter</p> <p>Half Letter</p> <p>Executive</p> <p>F/GL</p> <p>Foolscap</p> <p>Folio</p> <p>16 KAI</p>
	Bypass tray	<p>A4</p> <p>A5</p> <p>A6</p> <p>B5</p> <p>B6</p> <p>Legal</p> <p>Letter</p> <p>Half Letter</p> <p>Executive</p> <p>F/GL</p> <p>Foolscap</p> <p>Folio</p> <p>16 KAI</p>
Paper input capacity	Standard	550 sheets
	Maximum	2,300 sheets
Paper weight	Paper tray(s)	52 - 220 g/m <sup>2</sup>
	Bypass tray	52 - 256 g/m <sup>2</sup>



Media capability	Plain paper Middle thick paper Thick paper Recycled paper Letterhead Pre-printed paper Thin paper Special paper Label paper Envelopes Coated paper Glossy paper
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Security Specifications - SP C440DN	
Authentication	Windows® authentication LDAP authentication Basic authentication User code authentication 802.1.x wired authentication

Environmental Specifications - SP C440DN			
Sound power level (mainframe)	Stand-by	Less than 43 dB	
	Printing	Less than 66 dB (B&W) / 67 dB (colour)	
Sound power level (full system)	Stand-by	Less than 43 dB	
	Printing	Less than 70 dB	
Sound pressure level (mainframe)	Stand-by	Less than 38 dB	
	Printing	Less than 59 dB (B&W) / 60 dB (colour)	
Sound pressure level (full system)	Stand-by	Less than 38 dB	
	Printing	Less than 59 dB	
Power consumption	Maximum	1,650 W	
	Operating power	B/W print	759 W
		Colour print	771 W
	Ready mode	157 W	
	Sleep mode	0.66 W	
TEC (Typical Electricity Consumption)	4.3 kWh		
Material emission level (emission rate)	Ozone (Print)	FC	Operation: 3 mg/h
		BW	Operation: 1.5 mg/h
	Dust (Print)	FC	Operation: 4 mg/h
		BW	Operation: 4 mg/h
	Styrene (Print)	FC	Operation: 1.8 mg/h
		BW	Operation: 1 mg/h

	TVOC (Print)	FC BW	Operation: 18 mg/h Operation: 10 mg/h
	Benzene (Print)	FC BW	Operation: 0.05 mg/h Operation: 0.05 mg/h
Environmental labels/certification	ENERGY STAR version 2.0		

Software Specifications - SP C440DN	
Standard	Web Image Monitor
Optional	SmartDeviceMonitor Remote Communication Gate S Pro

Option Specifications - SP C440DN		
1 x 550-sheet paper tray	Paper size	A4 A5 A6 B5 B6
	Paper weight	52 - 220 g/m <sup>2</sup>
	Paper output capacity	550 sheets
	Dimensions (W x D x H)	444 x 590 x 140 mm
	Weight	12 kg
2 x 550-sheet paper tray	Paper size	A4 A5 A6 B5 B6
	Paper weight	52 - 220 g/m <sup>2</sup>
	Paper output capacity	1,100 sheets
	Dimensions (W x D x H)	440 x 590 x 280 mm
	Weight	24 kg
3 x 550-sheet paper tray	Paper size	A4 A5 A6 B5 B6
	Paper weight	52 - 220 g/m <sup>2</sup>
	Paper output capacity	1,650 sheets
	Dimensions (W x D x H)	444 x 590 x 420 mm
	Weight	36 kg

Caster table	
Low cabinet	
High cabinet	
Hard Disk Drive	320 GB
Bi-directional IEEE 1284	
Wireless LAN (IEEE 802.11a/b/g/n)	
VM Card	
Pctbridge	
IPDS unit	
XPS direct print	
NIC2 Port	
Font SD card	



## 8. Service and Supplies

SP C440DN should be maintained by a trained service engineer. Like other Nashuatec printers and MFPs, service is likely to be offered on a toner inclusive Pay per Page (PpP) basis. PpP servicing offers the following customer advantages:

- Transparent pricing
- Includes toner and servicing
- Pre-agreed page cost
- Metered pay as you go billing

SP C440DN has similar running costs to its predecessors. Although the running costs are similar, sales people must refer to

their service or sales management for actual service pricing.

The average monthly print volume of devices in this class is 3,200 pages. With a maximum monthly recommended volume of 20,000 pages, SP C440DN will easily meet typical demand and with a duty cycle of 150,000 pages, will also reliably handle occasional peaks in print volume.

Using @Remote, the devices can be monitored in real-time enabling Nashuatec's service operation to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

### Service and Supplies Specifications - SP C440DN

<b>Toner Yield</b>	Black Toner	21,000 pages <sup>*1</sup>
	Yellow Toner	24,000 pages <sup>*1</sup>
	Magenta Toner	24,000 pages <sup>*1</sup>
	Cyan Toner	24,000 pages <sup>*1</sup>
<b>Transfer Unit Yield</b>	Transfer Unit	100,000 pages <sup>*2</sup>
<b>Waste Toner Bottle Yield</b>	Waste Toner Bottle	50,000 pages <sup>*3</sup>
<b>Fusing Unit Yield</b>	Fusing Unit	120,000 pages <sup>*2</sup>
<b>OPC Drum Yield</b>	Black PCDU	50,000 pages <sup>*2</sup>
	Colour PCDU	50,000 pages <sup>*2</sup>
	Recycled Black PCDU	50,000 pages <sup>*2</sup>
	Recycled Colour PCDU	50,000 pages <sup>*2</sup>
<b>Print Volume</b>	Average Monthly Volume	3,200 pages
	Maximum Monthly Volume	20,000 pages
	Duty Cycle	150,000 pages
<b>Machine Life</b>	1,200,000 pages or five years, whichever comes first	

<sup>\*1</sup> Measured based on ISO/IEC 19798

<sup>\*2</sup> A4 / letter 5% test chart; 2 pages/ job; Colour Drum Unit: colour printing only

<sup>\*3</sup> A4 / letter 5% test chart; 2 pages/ job; 50% B&W/50% colour printing

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