

## 2. Product Specifications

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### 2.1 Product Overview

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#### 1) Major Feature

- SCX-6345N : 45PPM All-in-1 (exclude from Analog Fax)
- Productive 43 cpm output speeds in A4
- 600 x 600 dpi output
- 50-sheet DADF
- Versatile paper supply of up to 2,300 sheets
- 25% - 400% zoom
- Finishing capabilities, including stapling and offset stacking
- Wide Touch Screen (640x240)  
(Simple Intuitive Graphic Touch Screen User Interface)
- Easy to use digital copier with finishing
- Improved Productivity through Super G3 and LAN Faxing with advanced copying capabilities
- Networked digital copier/printer/scanner with its duplex printing and finishing capabilities, plus network scan technology

#### 2) Sales Target

- 20 ~ 100 Persons Workgroup (Corp., SMB)
- Competitive TCO

### 3) Concept

- Lower than Half Price of A3 Mono MFP
- High Performance Network-Ready Print
- N/W Scan Operation
  - Scan Solution
  - Scan to Client / FTP / SMB
  - Scan to Email
  - SmarThru Workflow
- Job Accounting
  - Job Records Information (Print/Copy/Scan/Fax)
  - User based History tracking
  - SNMP Job Accounting Access from SWAS
  - Print/Copy/Scan/Fax log tracking (HDD, Server)
- Security
  - Authentication (LDAP, Kerberos)
  - Secure Printing
  - IP Address Filtering
  - Time / Date / ID Stamp
- Enhanced UI / Color Touch Screen LCD
  - Enhanced Paper Handling
  - High Capacity Feeder
  - Multi-bin Stacker
  - Multi-position Stapler
- Document Server
  - Scan / Copy / FAX to HDD
  - File Management
  - Paperless N/W Fax
  - Internet FAX
  - Fax Forward to Email / Folder
  - IP FAX

## 2.2 Product Specification

No	Items		SCX-6345N	Remarks
1	Speed	Print	Simplex: 45ppm/LTR, 43ppm/A4	
			Duplex: 42ppm/LTR, 40ppm/A4	
		Copy	SDMP: 45ppm/LTR, 43ppm/A4	
			MDSP: 45ppm/LTR, 43ppm/A4	
			Simplex-to-Duplex(1-2): ;	
			Approx. 42ipm/Ltr, 40ipm/A4	
			Duplex-to-Duplex(2-2) collated ;	
	Approx. 17ipm/Ltr, 14ipm/A4			
	Scan	45ppm at 300dpi / 22ppm at 600dpi	N/W Scan(Color 600*300) : 3ipm	
2	Resolution	Print	600*600dpi, Addressable 1200dpi	
		Copy/Scan	600*600dpi 100, 200, 300, 400, 600	
3	Processor		SPGPV3 ,400MHz	
4	Emulation		PCL6, PS3	
5	Connectivity		USB 2.0, N/W (PCI base)	USB Printing
6	LCD		Graphic Touch Screen LCD(640x240)	
7	Memory		256MB, Option 128MB	Max. 384MB
8	Warm up	From cold start	Less than 60 sec	
		From Sleep	Less than 35 sec	
9	FPOT	From stand by	Less than 8 sec	
		From Sleep	Less than 40 sec	
10	FCOT	From stand by	From Platen : Less than 6 sec	
			From DADF : Less than 8 sec	
		From Sleep	From Platen : Less than 36 sec	
			From DADF : Less than 36 sec	
11	Reduction & Enlargement		I Zoom Range ; - 25% to 400% in Platen, - 25% to 100% in ADF	
12	Paper Input Capacity	Main/Option Tray	520sheets	
		MP Tray	Up to ; 100sheets	
		ADF	Max 50 sheets	
13	Paper Output Capacity	Face Down	Face Down, 500 sheets	
		ADF	Max 50 sheets	
14	Noise	Standby	under 43dB	
		Print/Copy	During Printing(Simplex) ; under 60dB	
			Copying (Simplex) ; under 62dB	
15	FAX (Option)	Modem Speed	33.6Kbps	
		TX Speed	2.5 sec @ JBIG mode	
			3 sec @ MMR mode	
16	Battery Backup for System		64MB ( FAX memory 16MB)	
17	CRU	Initial Toner	20K at ISO 19752 Std.	
		Regular Toner	20K at ISO 19752 Std.	
18	EP-Process	Type	2 component	

No		Items	SCX-6345N	Remarks
19	Option	SCF	520sheets	
		Finisher	stacking ; 500 sheet	
			Stapling 50 sheets max.	
		STAND	Short Stand (Stand Low)	
			Tall Stand (Stand High)	
		Fax	Standard G3 PSTN Modem Speed : 33.6Kbs Fax Memory : 16MB	
20	Accessory	Memory	DIMM module up to 256MB	
		Network Scan-E mail	Scan To E mail Network Scan Manager SMB/FTP(Scan to Server)	
		S/W APPLICATION-CD	Network CD	
			Driver CD	
		MANUAL	MANUAL-NETWORK GUIDE	
			MANUAL on CD	
21	Maintenance Life	CBF-POWER CORD	-	
		CBF INTERFACE-USB	-	
		CBF LINE CORD	-	
		Feed Roller	200,000 Feeds	
		Transfer Roller	100,000 images	
22	Reliability	Fuser Unit	200,000 images	
		ADF/Bypass Feed Roller	200,000 Feeds	
		ADF/Bypass Rubber Pad	50,000 Feeds	
		Engine Life	1,000,000 images	
		MPBF	120,000 images	
		AMPV	10,000 images	
		Max Monthly Duty Cycle	100,000 images	10months for Engine Life

## 2.3 General specifications

ITEM	DESCRIPTION
DADF	Up to 50 sheets
DADF document size	Width: 174 to 218 mm Length: 128 to 356 mm for single page scan 128 to 356 mm for multi pages scan
Paper input capacity	<ul style="list-style-type: none"> <li>· Tray 1: 520 multi-pages for plain paper 30 pages for transparencies, labels, card stock, and envelopes</li> <li>· Multi-purpose tray: 100 multi-pages for plain paper, 10 pages for transparencies, labels, card stock, and envelopes</li> <li>· optional tray 2/3/4: 520 multi-pages for plain paper, 30 pages for transparencies, labels, and card stock</li> </ul>
Paper output capacity	<ul style="list-style-type: none"> <li>· 500 sheet (face down)</li> <li>· 500 sheet (optional stacker)</li> </ul>
Consumables	2-piece toner/drum cartridge system
Power rating	110 - 127 VAC, 50/60 Hz, 9 A 220 - 240 VAC, 50/60 Hz, 4.5 A
Power consumption	Average operation mode: Less than 900 W Power save mode: Less than 35 W Stand by mode: Less than 170 W
Noise level <sup>a</sup>	Standby mode: Less than 43 dBA Printing mode: Less than 60 dBA Copying mode: Less than 62 dBA
Warm-up time	Less than 35 seconds (from sleep mode)
Operating environment	Temperature: 10 °C to 32 °C Humidity: 20% to 80% RH
Display	1/2 VGA (640 x 240)
Toner cartridge life <sup>b</sup>	20,000 pages at ISO 19752 Std.
Drum cartridge life <sup>b</sup>	60,000 pages at ISO 19752 Std.
*Memory	256 MB (max. 384 MB)
External dimension (W x D x H)	637.4 x 489 x 616mm (without tray 2/3/4), 25 x 19.25x 24.25 inches
Weight	44.5 Kg (including consumables)
Package weight	Paper: 5.4 Kg, Plastic: 1.2 Kg

a. Sound Pressure Level, ISO 7779

b. The number of pages may be affected by operating environment, printing interval, media type, media size and option.

\* Note: This machine comes with 128 MB of on-board memory and a 128 MB DIMM.

To expand the memory of your machine, you must remove the existing DIMM and purchase a larger one.

## 2.4 Printer specifications

ITEM		DESCRIPTION
Printing method		2 Beam Laser Scanning Unit and Electro Photo graphy
Printing speed <sup>a</sup>		Up to 43 ppm in A4 (45 ppm in Letter)
Duplex printing speed		Up to 40 ipm in A4 (42 ipm in Letter)
First print out time		8 seconds (from ready)
Print resolution		Up to 600 x 600 dpi (1200 dpi class)
Printer language		PCL 6, PS 3
OS Support	PCL/PS	Windows 98/Me/NT4.0/2000/XP(32/64bit)/2003 Server(32/64bit), Various Linux OS including Red Hat 8~9, Fedora Core 1~4, Mandrake 9.2~10.1 and SuSE 8.2~9.2 Mac OS 10.3~10.4
	WHQL	Windows 2000/XP/2003 Server
	Network	Windows 98/ME/NT4.0/2000/XP(32/64bits)/2003(32/64bits) NetWare 4.x, 5.x, 6.x Mac OS 8.6~9.2/10.1~10.4 Various Linux OS including Red Hat 8~9, Fedora Core 1~4, Mandrake 9.2~10.1, and SuSE 8.2~9.2 Unix HP-UX, Solaris, SunOS, SCO UNIX
	UNIX Filter	N/A
Printing Support for AS/400		Yes
Direct Printing		PDF 1.4
Interface		High Speed USB 2.0 Ethernet 10/100 Base TX

- a. Print speed will be affected by operating system used, computing performance, application software, connecting method, media type, media size, and job complexity.
- b. Please visit [www.samsungprinter.com](http://www.samsungprinter.com) to download the latest software version.

## 2.5 Copier specifications

ITEM		DESCRIPTION
Copy speed <sup>a</sup>		Up to 43 ppm in A4 (45 cpm in Letter)
Duplex Copy speed		· Simplex to Duplex(1-2): Approx. 40 ipm b in A4 (42 ipm in Letter) · Duplex to Duplex(2-2): 14 ipm in A4 (17 ipm in Letter)
Copy resolution		Scan: up to 600 x 300 (text, text/photo) up to 600 x 600 (photo using platen) up to 600 x 300 (photo using DADF) Print: up to 600 x 600 (text, text/photo, photo)
Zoom rate		25% ~ 400% (Platen), 25% ~ 200% (ADF)
Multiple copies		1 to 999 pages

- a. Copy Speed is based on Single Document Multiple Copy.
- b. images per minute

## 2.6 Scanner specifications

ITEM	DESCRIPTION
Compatibility	TWAIN standard / WIA standard
Scanning method	DADF and Flat-bed Color CCD (Charge Coupled Device) module
Resolution	Optical: 600 x 600 dpi (mono and color) Enhanced: 4,800 x 4,800 dpi
Effective scanning length	Scanner glass: 348 mm DADF: 348 mm
Effective scanning width	Max 208 mm
Color bit depth	Internal: 36 bit External: 24 bit
Mono bit depth	1 bit Linearity & Halftone 8 bits (External), 12 bits (Internal) for Gray Scale
Grayscale	256 levels

## 2.7 Facsimile specifications (optional)

ITEM	DESCRIPTION
Compatibility	ITU-T Group 3
Applicable line	Public Switched Telephone Network (PSTN) or behind PABX
Data coding	MH/MR/MMR/JBIG/JPEG (Tx only)
Modem speed	33.6 Kbps
Transmission speed	Approx. 3 seconds/page <sup>a</sup>
Maximum document length	Scanner glass: 356 mm Duplex automatic document glass: 356 mm
Resolution	· Standard: 203 x 98 dpi · Fine: 203 x 196 dpi · Super Fine: 300 x 300 dpi, 406 x 392 dpi, 203 x 392 dpi (Rx only)
Memory 1	16 MB
Halftone	256 levels
Auto dialer	up to 200 numbers (all numbers / Max group avail)

a. Transmission time applies to memory transmission of text data with ECM compression using only ITU-T No.1 Chart.

## 2.8 Scan to Email (optional)

ITEM		DESCRIPTION
HW, S/W Requirements		Need Scan Enable Kit
Authentication	ID/Password Login	LDAP/Kerberos/SMB/Local Authentication
Protocol		SMTP, MIME(Base 64)
Max. Capacity of Message	Message size	1/2/3/4/5/10MB
	Local Address Book	Up to 200
Max. Scan Area		Up to Legal size in Platen, DADF
Basic Sending Mode	Address Entry	Manual EntryLocal Address Book (Up to 200 Users)LDAP
	Duplex	- 1-Sided - 2-Sided - 2-Sided & Rotate Side2
	Resolution	Color: 100, 200, 300 Mono: 100, 200, 300, 400, 600 Gray: 100, 200, 300, 400, 600
Image control Mode	Original Size	Auto, Custom, Mixed Size
	Original type	Text, Text/Photo, Photo, Color
	Darkness	5 Levels
	Sharpness	No
	Erase Background	Yes (On/Off)
	Erase Edge	Yes
Output Control	Quality/File Size	Normal Quality
	File Formats	BMP, TIFF-S, TIFF-M, JPEG, PDF

## 2.9 NW Scan (Scan to SMB/FTP/HTTP(S))

ITEM		DESCRIPTION
HW, S/W Requirements		SCX-KIT10S
Authentication	ID/Password Login	LDAP/Kerberos/SMB/Local Authentication
Protocol		SMB, FTP
Template settings	Server Address	IPv4 Address or DNS name
	Port Number	0 ~ 65535
Basic Entry	Color	Yes
	Resolution	Color: 100, 200, 300 Mono: 100, 200, 300, 400, 600 Gray: 100, 200, 300, 400, 600
	Original Size	Auto, Manual, Mixed Size
Image control	Original type	Text, Text/Photo, Photo
	Darkness	5 Levels
	Erase Background	Yes (On/Off)
	Erase Background	Yes (On/Off)
Output Control	Quality/File Size	Normal Quality
	File Formats	TIFF-S, TIFF-M, JPEG, PDF



## 2.10 SmarThru Workflow

ITEM		DESCRIPTION
HW, S/W Requirements		SCX-KIT11S
OS	Server	Windows 2000/XP/2003 Server
	Cient	OS including Windows that supports IE5.5 or higher
Server	No. of user	Up to 1,000 user (up to 100 Workforms per user)
	No. of device	Up to 100 device (up to 10 devices at the same time)
	Address Entry	Server: Device: Server Address book + each Device's Phonebook, Email Address book Local(HD) + Local(SmarThru Workflow) + Global(LDAP) Address book UI
Scan To	Folder(SMB)	Yes (Via SmarThru Server)
	Email	Yes (Via SmarThru Server)
	OCR	Yes (Via SmarThru Server)
	FTP	Yes (Via SmarThru Server)
	Fax	Tx to Fax Server (Via SmarThru Server)
	HTTP/S	No
Fax to	Print	Color scan(Mono Print) to Color Print (Via SmarThru Server)
	Folder	Yes (Via SmarThru Server)
	Email	Yes (Via SmarThru Server)
	OCR	N/A (Fax Resolution is too low)
	FTP	Yes (Via SmarThru Server)
	Fax	similar with Server Fax solution (Via SmarThru Server)
	Print	Yes (Via SmarThru Server)
Security	HTTP/S	No
	SSL/TLS	SSLV3.0, TLS V1.0
	Authentication	LDAP, Kerberos v5.0
	IPv6	NO

## 2.11 Paper Handling

ITEM		DESCRIPTION
Input Capacity	Main Tray	Up to 520sheets @ 75g/ m <sup>2</sup>
	MP Tray	100sheets @ 75g/ m <sup>2</sup>
	Optional Cassette (SCX-S6345A)	520 sheets @ 75g/ m <sup>2</sup> Max. three additional cassettes could be attached (SEE Tray2 Option for more information)
	Sensing(Cassette)	H/W Install Sensor: Yes Paper Empty Sensor: Yes Paper Size Detect: Partially YES (A4,Ltr.,Legal,Folio,Oficio, Executive) Paper Type Detect: No
Output Capacity	Face Down	500 sheets @ 75g/ m <sup>2</sup>
	Face Up	N/A
	Sensing	Paper Full Sensor: Yes
Tray 1/2/3/4	Media Size	Letter, Legal, Oficio, Folio, A4, JIS B5, ISO B5, Executive, A5, Statement, A6, PostCard 4x6, Envelope B5, Envelope Monarch, Envelope COM-10, Envelope DL, Envelope C5, Envelope C6, Custom
	Media Size Control Guide	Min: 98.0 mm x 148 mm (3.86"x5.83") Max: 215.9 mm x 355.6 mm (8.5"x14.0")
	Media type	Plain Paper, Thin Paper, Bond, Punched, Pre-Printed, Recycled, Envelope, Transparency, Label, CardStock, Letterhead,Thick,Cotton,Colored,Archive
	Mdeia Weight	Plain Paper: 60~90g/ m <sup>2</sup> (16~24 lb) (Duplex : 20~24lb) Thin Paper: 60g/ m <sup>2</sup> (16 lb) Bond: 105~120g/ m <sup>2</sup> (28~32 lb) Punched: 60~90g/ m <sup>2</sup> (16~24 lb) Pre-Printed : 60~90g/ m <sup>2</sup> (16~24 lb) Recycled : 90~108g/ m <sup>2</sup> (20~24 lb) Envelope : 75~90g/ m <sup>2</sup> Transparency : 138~146
MP Tray	Media Size	Letter, Legal, Oficio, Folio, A4, JIS B5, ISO B5, Executive, A5, Statement, A6, PostCard 4x6, Envelope B5, Envelope Monarch, Envelope COM-10, Envelope DL, Envelope C5, Envelope C6, Custom
	Media Size Control Guide	Min: 98.0 mm x 148 mm (3.86"x5.83") Max: 215.9 mm x 355.6 mm (8.5"x14.0")
	Media type	Plain Paper, Thin Paper, Bond, Punched, Pre-Printed, Recycled, Envelope, Transparency, Label, CardStock, Letterhead,Thick,Cotton,Colored,Archive
	Mdeia Weight	16~43 lb.
	Paper empty sensor	Yes
	Paper size detection	No

ITEM		DESCRIPTION
DADF	Model Code	Standard
	Document Weight	50~120 g/sm(12.5~28lb = 0.07mm~0.13mm)
	Capacity	50 sheets @ 75g/㎡
	Document Size	Width: 174 ~ 218mm (6.9"~8.5") Length : 128 ~ 356mm (5" ~ 14.0") for Single page scan 128 ~ 400mm (5" ~ 15.7") for Multi pages scan
	Document Type	MN standard except transparencies
	Original size detection	Letter or A4, Legal, and Small Size
Others	High Capacity Feeder	N/A
	Envelope	N/A
	Finisher	SEE "Finisher"
	Stapler	SEE Stapler spec in "Finisher"

## 2.12 Model Comparison

ITEM		SCX-6345N	SCX-6320F
Max. Speed @ Letter		45 ppm	22 ppm
H/W	Processor	500 MHz	120 MHz
	Memory	256 MB (max. 384MB)	32 MB
	HDD	40 GB	N
FCOT		< 6 second	-
Resolution	Copy	600 x 600 dpi	600 x 600 dpi
	Print	Addr. 1200 dpi	FastRes 1200 dpi
Fax	Speed	up to 33.6 Kbps	up to 33.6 Kbps
	Resolution	up to 600 dpi	up to 600 dpi
	Compression	MMR/MR/MH, JBIG, JPEG	MH/MR/MMR/JBIG/JPEG (Color/Transmission)
Scan	Resolution	up to 600 dpi	up to 600 dpi
Max. Docu. Size	Platen	Legal	Legal
	DADF	Legal	Legal
Paper Handling	Max. Paper Supply	2300	1050
User Interface	LCD	640 x 240	20 characters X 2 lines
	Type	Graphic / Touch-Screen	with Backlight
Interface		USB 2.0, N/W	IEEE1284(ECP), USB(without HUB mode)

## 2.13 PM(Preventive Maintenance) List

### PM Parts

Description	Part No.	Life	Qty	Remark
Pickup Roller	JC97-02259A	200,000	3	-
Fuser Unit	JC96-03724A	200,000	1	-
Transfer Roller	JC97-02287A	100,000	1	-
DADF Rubber PAD	JC97-01846A	50,000	1	for DADF
DADF Feed Roller	JC97-02277A	200,000	1	for DADF
Bypass Rubber PAD	JC97-02260A	50,000	1	for MP Tray
Bypass Feed Roller	JC96-03533A	200,000	1	for MP Tray

### Maintenance Kit

	Top Code	Parts	Part No.	Quantity	Lifetime
Maintenance Kit1	SCX-V6345A/SEE	Pick-Up Roller	JC97-02259A	3	200,000
		Fuser Unit	JC96-03724A	1	200,000
		Quick Install Guide	New	1	-
		Box,Cushion,Label Master Box (4box/1master box)	New	1	-

Maintenance Kit2	SCX-V6345B/SEE	Transfer Roller	JC97-02287A	5	100,000
		Quick Install Guide	New	1	-
		Box,Cushion,Label Master Box (4box/1master box)	New	1	-