

CLX-8640ND / CLX-8650ND

A4 Colour Multi-Function Printer

For Every Business



SAMSUNG

True colour

The Samsung CLX-8640ND and CLX-8650ND are designed to deliver incredible performance, reliability and outstanding value for money.

Dual Core power offers high productivity, while the Anti-Jam technology is designed to help ensure you can rely on a premium final result. You'll discover these devices have been designed to be robustly reliable.

Extreme power

For those big print or copy jobs, You'll find the CLX-8640ND and CLX-8650ND is up to the task.

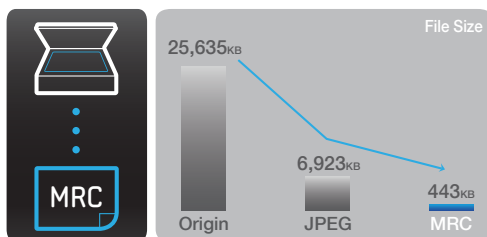
A fully integrated Samsung 1GHz Dual Core processor, is designed to help ensure fast printing and scanning capabilities. Handling of large print/copy jobs is fast, and scan throughput is swift.



Dual Core Core

High compression of scanned files

Samsung's MRC (Mixed Raster Content) technology compresses the scanned file size significantly with minimal reduction in quality. So you can save storage space and working time.



* MRC (Mixed Raster Content) : extracted text and image for PDF format scan.
* Evaluation from internal test lab.

Cut job times with fast scanning and printing

Scanning is quick, with a fast duplex scan speed of 70ipm. And forget waiting forever for printouts with an incredible 48 pages printing per minute.



Save time

Busy businesses can't afford to waste time with unreliable products. Our innovative anti-jam technology is designed to help stop stress-causing device blocks by using a roller that provides a backward friction during the paper pickup process. With a monthly Duty Cycle of 200,000, productivity should be steady and reliable.



Incredible quality to help make your business look amazing

Every document your business produces needs to be the very best, every time. Innovative technology, amazing dpi and a new toner help ensure consistent high quality results.

Experience image quality

An extraordinary resolution of 1200 x 1200 dpi brings you vivid results directly from the display screen. The CLX-8640ND and CLX-8650ND offer premium image quality, designed to help you create high glossy, professional documents.

Polymerised toner

Our newly developed polymerised toner has small uniform particles to help ensure your output will have crisp lines and vivid colours. Also, its high wax content can help improve the image gloss and durability, helping to prevent unwanted fading.

Enjoy quality printouts

Samsung's unique ReCP (Rendering Engine for Clean Page) Technology and effective 1,200 dpi are designed to help maximise the overall quality and vibrancy of your colour printing. It automatically sharpens the focus of both graphics and text, while solid objects are overlapped to help eliminate white gaps.

In your business, getting value for money is vital.

Samsung Instant Fusing System (IFS) technology is designed to help you print and copy quickly.



* CLX-8640ND

Separated, interchangeable consumables

Separated Toner, OPC and a Developer unit because the OPC (Organic Photo Conductor) Drums are common for all colours, they are inter-changeable, which can help simplify inventory control.



All it takes is one push and you can print more onto every page, including 2-up, 4-up and duplex, and also save toner with automatic blank pages skipping.



The CLX-8640ND and CLX-8650ND allow you to preview your document before printing. Adjust colour quality and other settings to meet your requirements and budget, as well as removing unnecessary text, images and other elements. Designed to help reduce wasted printouts.



Samsung Eco-Driver earned the 2012 "Outstanding Achievement" Award from Buyers Lab, Inc.



Experience ease-of-use and flexibility across platforms

The CLX-8640ND and CLX-8650ND is simple and intuitive to use thanks to functional yet ergonomic design principles.

Intuitive, Smart UI

For maximum control and visibility, the CLX-8640ND and CLX-8650ND features a 7" colour touch panel with smooth flicking and scrolling. Thanks to the intuitive, smart User Interface, you can manage and control complex jobs quickly and easily.

1. User Menu Customization (up to 40 shortcut icons)
Save time with those jobs you might do regularly.
2. Smart Search
Find specific functions quickly by just typing in the keyword.
3. Quick Copy
Access copy functions at a glance.



See the convenience of Direct copy

For extra time savings, the Direct copy option in the Home menu is designed to enable rapid printing in just one simple step. Simply type the number of pages you want to copy and press the 'start' button. Simple.



Easy Mobile Print

Get more from all your compatible mobile devices easily, quickly and conveniently without the need for installing any print drivers.*



* Compatible mobile devices are sold separately.

* Samsung Mobile Print can be downloaded from Play Store or Samsung Apps.

Internet connection required. Data and subscription charges may apply. Usage may be subject to third party service provider agreements.

Expand functionality affordably, and boost data security

Integrated secure workflow with Samsung solutions



• Secure printing

Printing jobs from compatible PCs and Mobile devices will be managed by SecuThru™ Lite and it won't be released without suitable authentication.



• Secure document workflow

Only authenticated users can access the pre-defined SmarThru™ Workflow with icon-based intuitive user interface.



• SSO (single sign on) & Usage monitoring

SSO (single sign on)

A user logs in once and gains access to all Samsung solutions.

Usage monitoring by user and by device

IT administrators can manage and monitor the jobs of every user from the SyncThru™ Admin interface.

XOA (Open Architecture Platform)



Based on open standards, XOA allows print solution vendors to create embedded applications that (STET) the use of the device's capabilities to help improve business processes.

- Intelligent integration across a wide range of network services
- Easy integration and minimal downtime during installation
- A flexible solution designed to help promote productivity
- Maximised extensibility and customis ability

Smart Samsung solution support

Samsung offers various solutions such as Device Management, Document Solutions, Security Solutions as well as Mobile Solutions to help meet modern office solution requirements.

SyncThru™ Device Management Solution



SyncThru™ Admin remotely discovers, manages, diagnoses, and reports all devices within the network to help promote the efficiency and productivity of the organisation.

SecuThru™ Secure Printing Solution



SecuThru™ Lite is designed to help ensure document security and help minimise printed waste. The key features are card authentication, secure release printing and job accounting.

SmarThru™ Workflow Document Distribution Solution



SmarThru™ Workflow streamlines document workflows from capturing paper documents, as well as electronic documents, to distributing them to predefined destinations.

Barcode™ Document Management Solution



Barcode™ is used to manage assets and stock items, track items through distribution channels or simply improve the management of documents within the organization.

Highlights

- 1GHz Dual Core Processor provides powerful performance
- ReCP Technology is designed to help improve the overall print / copy / scan quality
- 7" Colour Touch LCD offers flexibility and simplicity
- Premium design
- XOA expands functionality easily
- Security features, as standard, promotes office data protection
- Integrated secure workflow with Samsung Solutions

Configurations & Options

DADF (Standard)

- Duplex Automatic Document Feeder
- 100-Sheet capacity
- 2-sided Document Scanning
- Paper empty / width / length detect

2 Bin Finisher

- 100/500 Sheet capacity
- Corner stapling up to 50 sheets



Triple Cassette Feeder

- 2,180 - Sheet capacity
- Paper empty / Size detect



Second Cassette Feeder

- 1,140- Sheet capacity
- Paper empty / Size detect



7" Colour Touch-panel LCD

- Touch panel



Fax Kit

- ITU-T G3, Super G3

Technical details made to help support your business

General

Functions	Print, Copy, Scan, Fax (Option), Network, Duplex
Processor	Chorus 4N
Memory	7" Colour Touch-Panel LCD800 x 480 (WVGA)
Memory	· Standard: 1GB · Maximum: Max; 1GB
Hard Disk Drive	320GB Storage
Interface	High Speed USB 2.0 Device/Host, Ethernet 10/100/1000 BASE TX
Warm-up Time	· From Power On: 90 sec · From Sleep: 45 sec
Power Requirements	· Europe: AC 220-240V · USA: AC 110-127V · Korea: AC 220-240V
Power Consumption	Max 1.6kW (Ready: <80W, Sleep : <1.5W)
Noise Level	· Copying: 59dBA · Printing: 55dBA · Ready: 43dBA · Sleep: 30dBA
Dimension (WxDxH)	550 x 523 x 776mm (21.7" x 20.6" x 30.6")
Weight	70.4 Kg (with consumable)
Max. Monthly Duty Cycle	200,000 pages
Recommended Monthly Print Volume	7,000 sheets/month (60% Colour ratio)
Network Security	SSL/TLS, IP sec, SNMPv3, IPv6, Protocol & Port Management, IP/MAC filtering
Certification	CCC(ISO15408), IEEE P2600-2008, WHQL Compliance

Print

Speed (Mono / Colour)	· CLX-8640ND: 38 ppm in A4 / 40 ppm in Letter · CLX-8650ND: 48 ppm in A4 / 51 ppm in Letter
First Print Out Time (From Ready Mode)	· Mono: 9 seconds · Colour: 11 seconds
Resolution	· Default: 600 x 600 dpi · Max: Effective 1,200 dpi (1,200 x 600 x 2bit)
Emulation	PCL5c, PCL6, Postscript 3, PDF 1.7
Duplex Print	Built-in
Operating System	Windows 8 / 7 / Vista / XP / 2008R2 / 2008 / 2003, Mac OS X 10.4 - 10.8, Various Linux / Unix
Network Protocols	TCP/IPv4, HTTP, SNMPv1/v2c/v3, LDAP, SMTP, SSL/TLS, IPsec, DNS, WINS, SLP, Bonjour, SSDP, DDNS, DHCP/BOOTP, IPv6
Fonts	· PCL: 93 · Postscript3: 136
Direct Print Support	Jpeg, Tiff, PDF

Copy

Speed (Mono / Colour)	· CLX-8640ND: 38 ppm in A4 / 40 ppm in Letter · CLX-8650ND: 48 ppm in A4 / 51 ppm in Letter
First Print Out Time (From Ready Mode)	(Mono / Colour) 9 seconds
Resolution	Platten: 600 x 600 dpi DADF: 600 x 300 dpi
Reduce / Enlarge Range	25% - 400%
Duplex Print	25%50%(70%)A4+A5(78%)LGL+LTR(81%) B5+A5(86%)A4+B5+
Preset Enlargements	(104%)EXE+LTR(141%)A5+A4150%200%400%
Multi Copy	1-9,999 Pages

Duplex Copy	Built-in
Copy Features	ID Card copy(platen only), Auto fit, Book copy(platen only), Booklet, N-up
Scan	
Speed (Mono / Colour)	70 ipm (300 dpi / A4/Letter)
Colour Mode	Mono / Gray / Colour
Compatibility	Network TWAIN
Method	CCD
Resolution	· Optical: max 600 x 600 dpi · Enhanced: Up to 4,800 x 4,800 dpi
Scan Destinations	E-mail, USB, FTP, SMB, HDD, PC
File Format	PDF,TIFF,JPEG,XPS
Communication Protocol	SMTP, MIME(Base 64)SMB, FTP, TWAIN, WIA, WSD
Scan Document Size	Max Legal
FAX	
Compatibility	ITU-T G3, Super G3
Modem Speed	33.6 Kbps
Resolution	Up to 600 x 600 dpi (Mono)
Compression Method	MH/MR/MMR/JBIG
Memory	HDD Back-up
Auto Dial	Support
Fax Feature	Speed Dial, Group Dial, On-hook Dial, Auto Redial, Caller ID, Secure Reception, Fax forwarding, etc.

Paper Handling

Input Capacity	· Cassette Standard: 520Sheets · Multipurpose tray: 100 Sheets · Other Options: 1560 sheets (x 3 Option Cassette) · Maximum: 2180 Sheets (MP + 4Tray)
Media Type	· Cassette: Plain Paper, Thin Paper, Bond, Punched, Pre-Printed, Recycled, Envelope(C5 only), CardStock, Letterhead, Thick, Cotton, Colored, Archive · Multipurpose tray: Plain Paper, Thin Paper, Bond, Punched, Pre-Printed, Recycled, Envelope, Label, CardStock, Letterhead,Thick, Cotton,Colored,Archive · Other Options: Plain Paper, Thin Paper, Bond, Punched, Pre-Printed, Recycled, Envelope(C5 only), CardStock, Letterhead, Thick, Cotton, Colored, Archive
Media Size	· Cassette: 148 x 210 mm ~ 216 x 356 mm · Multipurpose tray: 92 x 148 mm ~ 216 x 356 mm · Other Options: 148 x 210 mm ~ 216 x 356 mm
Media Weights	· Cassette: 16-43lb(60 to 163g/m ²) Thin: 60-74g/m ² Colored : 75-90g/m ² Pre-Printed : 75-90g/m ² Cotton: 75-90g/m ² Plain Paper: 75-90g/m ² Thick : 91-105g/m ² Recycle: 75-90g/m ² Envelope: 75-90g/m ² Thin Glossy : 106-130g/m ² Thick Glossy : 131-163g/m ² Thin Cardstock : 106-163g/m ² Bond : 105-120g/m ² Archive : 75-90g/m ² Heavy Weight:106-163g/m ² LetterHead : 75-90g/m ² Hole Punched : 75-90g/m ²

Media Weights	· Multipurpose tray: 16-58lb (60 to 220g/m ²) Thin: 60-74g/m ² Colored : 75-90g/m ² Pre-Printed : 75-90g/m ² Cotton: 75-90g/m ² Plain Paper: 75-90g/m ² Thick : 91-105g/m ² Recycle: 75-90g/m ² Envelope: 75-90g/m ² Thin Glossy : 106-130g/m ² Thick Glossy : 131-220g/m ² Thin Cardstock : 106-163g/m ² Bond : 105-120g/m ² Archive : 75-90g/m ² Label: 120-150g/m ² Heavy Weight : 106-163g/m ² Extra Heavy Weight : 164-220g/m ² LetterHead : 75-90g/m ² Hole Punched : 75-90g/m ² · Other Options: 16-43lb(60 to 163gm ²) Thin: 60-74g/m ² Colored : 75-90g/m ² Pre-Printed : 75-90g/m ² Cotton: 75-90g/m ² Plain Paper: 75-90g/m ² Thick : 91-105g/m ² Recycle: 75-90g/m ² Envelope: 75-90g/m ² Thin Glossy : 106-130g/m ² Thick Glossy : 131-163g/m ² Thin Cardstock : 106-163g/m ² Bond : 105-120g/m ² Archive : 75-90g/m ² Heavy Weight:106-163g/m ² LetterHead : 75-90g/m ² Hole Punched : 75-90g/m ²
Output Capacity	500 sheets @ 20lb (80g/m ²), drawer type
ADF	· Type: DADF · Document Capacity: 100 Sheets · Document Size: Width: 145 - 216mm (5.7"-8.5") Length: 145 - 356mm (5.7" - 14.0") · Document Weight: 16 - 28 lb
Consumables	
Toner	(Black / Colour) 20,000 pages (5% Coverage)
Imaging Unit/Drum	(Black / Colour) 40,000 pages (5% Coverage)
Waste Toner Container	20,000 pages (5% Coverage)
Option	SCF, TCF, 2bin Finisher, Staple cartridge, Fax Kit, FDI Kit, Card Read Holder
Solution	
Device Management	SWAS 5
Output Management	CounThru 2.5
Document Management and Distribution	SmarrThru Workflow 3
Security	SecuThru Lite 1
Mobility	MobilePrint App

* Specifications above are subject to change without prior notice.



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