

CLX-8640ND / CLX-8650ND

A4 Colour Multi-Function Printer

For Every Business

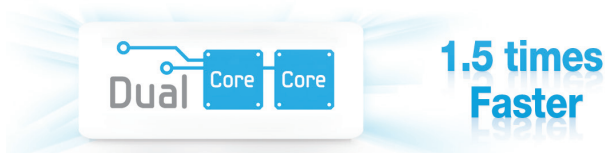


True colour at the speed of light

The Samsung CLX-8640ND and CLX-8650ND deliver incredible performance, reliability and outstanding value for money. Dual Core power offers high productivity, while the latest Anti-Jam technology ensures you can always rely on a superior final result. That's not all; you can enjoy impressive cost savings thanks to low power consumption. You'll discover everything about these devices has been designed to make it robustly reliable and amazingly cost effective.

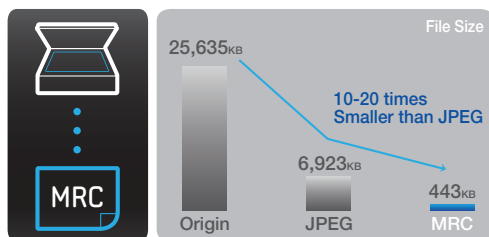
Twice the power delivers more performance

For those big print or copy jobs, You'll find the CLX-8640ND and CLX-8650ND is up the task with power to spare. With a fully integrated Samsung 1GHz Dual Core processor, office productivity increases dramatically with fast printing and scanning capabilities. Handling of large print/copy jobs is faster, and scan throughput is swifter. In fact, every task is 1.5 times quicker.



High compression of scanned files

Samsung's MRC (Mixed Raster Content) technology compresses the scanned file size significantly without any 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 itself takes less time too. You can now enjoy the fastest duplex scan speed of any multifunction device – an impressive 70ipm. And forget waiting forever for printouts. With an incredible 48 pages printing per minute it's the quickest printer and copier around.



Save time with reliability that won't let you down

Busy businesses can't afford to waste time with unreliable products. That's why our innovative anti-jam technology stops stress-causing device blocks by using a roller that provides a backward friction during the paper pickup process. We've also increased the MCBF (Mean Copy Between Failure) to 150,000 (1.5 times longer than competitor MFPs). And with a monthly Duty Cycle of 200,000, productivity is kept steady and reliable.



Incredible quality that makes your business look amazing

Every document your business produces needs to be the very best, every time. Innovative technology, amazing dpi and a revolutionary new toner mean that you're always guaranteed consistently high quality results.

Experience image quality like never before

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



Conventional



SAMSUNG

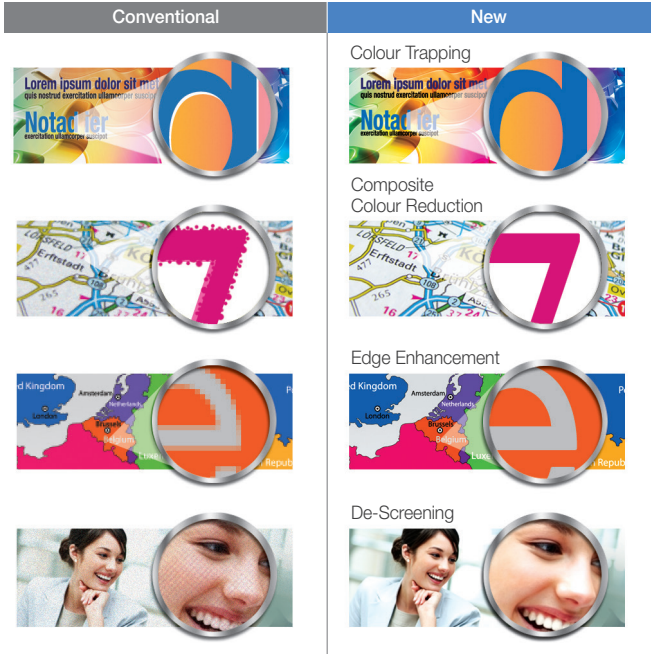
Polymerized toner

Our newly developed polymerized toner has smaller and more uniform particles than conventional toner. Your output will have crisper lines and more vivid colours. Also, its higher wax content improves the image gloss and enhances the durability, preventing unwanted fading.



Enjoy quality printouts

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

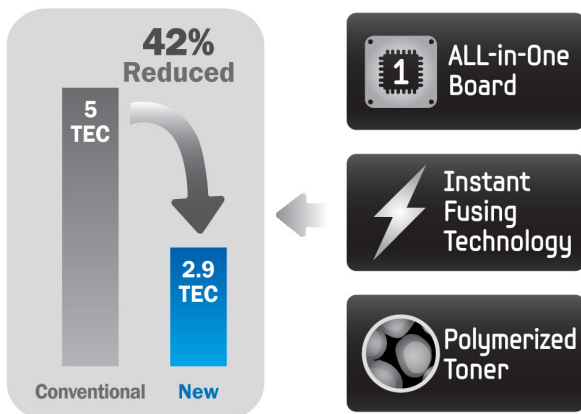


Low running costs deliver significant savings

In every aspect of your business, getting value for money is vital. With low operating costs and a host of energy-saving Eco-features, you'll always be able to reap the financial benefits.

Low power consumption

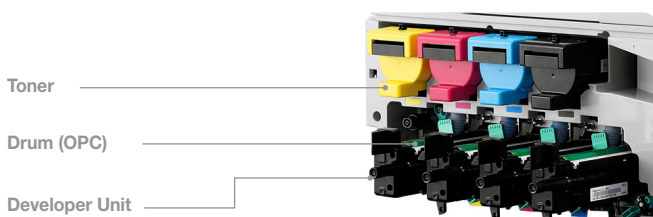
With its ingenious All-in-One board, overall energy consumption is kept low by minimising power requirements. In fact, compared to a conventional board it reduces TEC (Typical Electricity Consumption) by up to 42% (CLX-8640ND). Meanwhile, Samsung Instant Fusing System (IFS) technology helps you print and copy faster, use less energy, and reduce energy costs.



* CLX-8640ND
* Evaluation from internal test lab.

Separated, interchangeable consumables

With separated Toner, OPC and a Developer unit, your company can reduce maintenance costs. Also, because the OPC (Organic Photo Conductor) Drums are common for all colours, they are interchangeable, reducing your cost in terms of inventory control.



Control costs the Eco way

Every business sees the need to cut costs wherever it can. You can save paper and energy with the Eco button. All it takes is one push and you can print more onto every page, including 2-up, 4-up and duplex, and also save more toner with automatic blank pages skipping.



With Easy-Eco Driver you'll be able to accurately 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. Reduce wasted printouts and achieve more economically efficient printing.



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 even the most 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 all copy functions at a glance.



See the convenience of Direct copy

For extra time savings, the Direct copy option in the Home menu allows rapid printing in just one simple step. Simply type the number of pages you want to copy and press the 'start' button. It couldn't be simpler.



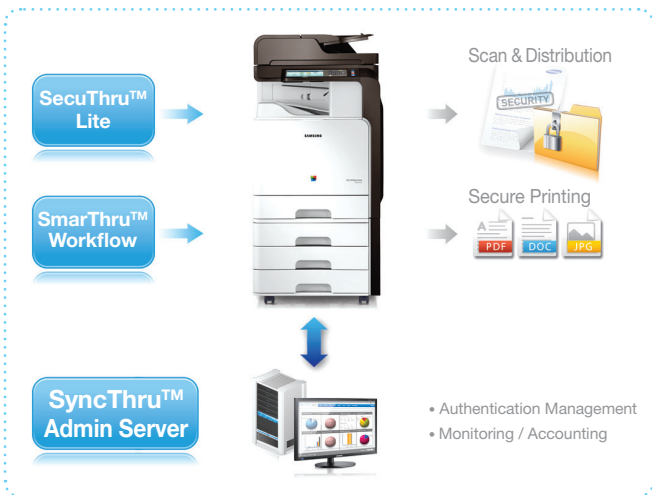
Easy Mobile Print

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



Expand functionality affordably, and boost data security

Integrated secure workflow with Samsung solutions



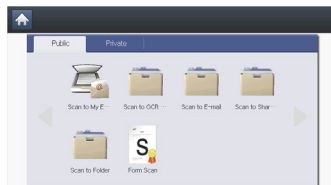
• Secure printing

Every printing job from 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 enhance the use of the device's capabilities to improve business processes.

- Intelligent integration across a wide range of network services
- Easy integration and minimal downtime during installation
- A flexible solution for continuous productivity
- Maximized 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 meet modern office solution requirements.

SyncThru™ Device Management Solution



SyncThru™ Admin remotely discovers, manages, diagnoses, and reports all devices within the network to achieve increased efficiency and productivity of the organization.

SecuThru™ Secure Printing Solution



SecuThru™ Lite ensures document security and help reduce 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 improves the overall print / copy / scan quality
- 7" Colour Touch LCD offers flexibility and simplicity
- Enhanced design maximizes office efficiency
- Eco-features reduces energy costs
- XOA expands functionality easily and affordably
- Advanced security features, as standard, enhances 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 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 Letter-Head : 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 Letter-Head : 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	SmarThru Workflow 3
Security	SecuThru Lite 1
Mobility	MobilePrint App

* Specifications above are subject to change without prior notice.



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Contact :
Web: www.samsung.com

