Office multifunctional printer of the highest quality equipped with smart solutions

N510 / N511 / N512

Sindoh
Unmistakable

COPY

Model	N510	N511	N512
Copy speed	Up to 22ppm	Up to 28ppm	Up to 36ppm
Wake-up time from Sleep Mode	Less than 20 seconds		
Time to First Page	15 seconds		
First-Image-Out Time (FCOT)	As fast as 5,3 seconds		As fast as 4,5 seconds
Memory	2GB (Max, 4GB)		
HDD	250GB		
Maximum Paper Handling	9,999 sheets		
Scan speed (based on 300dpi)	Up to 45 ppm		
Resolution — Scan	600dpi X 600dpi		
Resolution — Output	Up to 1,800dpi X 600dpi		
Duplex	Standard		
ADF paper loading	130 sheets (68g/㎡)		
Total capacity	1,100 sheets (500 sheets x 2 + 100 sheet manual tray)		
Paper — Tray 1	A5 ～ B4		
Paper — Tray 2	A5 ～ A3, 60g/㎡ ～ 220g/㎡		
Paper — Manual tray	A5 ～ A3, 60g/㎡ ～ 220g/㎡		
Stacking tray	250 sheets		
Consumables — Toner	23,000 sheets (based on the ISO 5% chart)		
Consumables — Drum	80,000 sheets	100,000 sheets	110,000 sheets
Consumables — Developer	600,000 sheets		
Power — Max, power consumption	Less than 1,500W		
Power — Sleep mode	0,5W		
Noise — In operation	Less than 67,8db	Less than 68,7db	Less than 69,9db
Noise — Standby	Less than 40,5db		
Dimension (W x D x H)	23 x 26 x 29 in		
Weight	124,6 lb (144,4 lb when the ADF is mounted)		

SCAN

Model	N510	N511	N512
Scan Mode	Auto color, full color, gray scale, black and white		
Resolution — Push	200 / 300 / 400 / 600 dpi		
Resolution — Pull	100 / 200 / 300 / 400 / 600 dpi		
Scan speed — Color	Up to 45ppm (A4/300dpi)		
Scan speed — Black & white	Up to 45ppm (A4/300dpi)		
Supported size — Scanner	Max (W x L) 297 x 431,8 mm		
Supported size — ADF	Max (W x L) 297 x 1000 mm (≤400dpi) Max (W x L) 297 x 431,8 mm (600dpi)		
Interface	Ethernet 10Base-T / 100Base-TX / 1000Base-T		
Protocol	TCP/ IP (FTP, SMB, SMTP, WebDAV) (IPv4 / IPv6)		
OS	Vista (32 / 62bit) / 7 (32 / 64bit) / 8 (32 / 64bit)		
Driver	TWAIN Driver, HDD TWAIN Driver		
Data format	TIFF, PDF, Compact PDF, JPEG, XPS, Compact XPS, PPTx, docx,xlsx Searchable PDF, PDF/A, Linearized PDF		

PRINT

Model	N510	N511	N512
Print speed	Up to 22ppm	Up to 28ppm	UP to 36ppm
Resolution — Scan	600dpi X 600dpi		
Resolution — Output	Up to 1,800dpi X 600dpi		
PDL	PostScript 3 (3016) Emulation, PCL 6 (XL Version 3,0) Emulation, PCL 5e/c Emulation, XPS Version 1,0,		
OS — Server	Windows Server 2003 / Server 2003 R2 / Server 2008 Windows Server 2003 / Server 2003 R2 / Server 2008 R2 / Server 2008 R2 x64 Edition / Server 2012 / Server 2012 R2		
OS — Client	Vista / 7 / 8 / 8,1 Vista / 7 / 8 / 8,1 x64 Edition Windows Server 2003 / Server 2003 R2 / Server 2008 / Windows Server 2003 / Server 2003 R2 / Server 2008 x64 Edition / Mac OS9,2 / OSX 10,2, 10,3, 10,4 PowerPC version / OSX 10,5 PowerPC/ Intel version / OSX 10,6, 10,7, 10,8, 10,9, 10,10 Intel version Red Hat Enterprise Linux		
Driver — PCL6	Vista / 7 / 8 / 8,1 Printer driver Windows Server 2003 / Server 2003 R2 / Server 2008 Server 2003 / Server 2003 R2 / Vista / 7 / 8 / 8,1 / Server 2008/ Server 2008 R2/ Server 2012 / Server 2012 R2 x64 Edition		
Driver — PS3	Vista / 7 / 8 / 8,1 PS Windows Server 2003 / Server 2003 R2 / Server 2008 PS Server 2003 / Server 2003 R2 / Vista / 7 / 8 / 8,1 / Server 2008 / Server 2008 R2 / Server 2012 / Server 2012 x64 Macintosh OS9,2 Printer driver PPD file Macintosh OSX 10,2, 10,3, 10,4 PowerPC/ Intel Version PPD+PDE Printer driver Macintosh OSX 10,5 PowerPC/ Intel Version PPD+PDE Printer driver Macintosh OSX 10,6, 10,7, 10,8, 10,9, 10,10 Intel Version PPD+PDE Printer driver PPD file: for Red Hat Enterprise Linux Printer driver (CUPS v1,1,22)		
Driver — XPS	Windows Vista / 7 / 8 / 8,1 / Server 2008 XPS Driver Windows Vista / 7 / 8 / 8,1 / Server 2008 XPS / Server 2008 R2 / Server 2012 / Server 2012 R2 x64 Edition Driver		
Memory	2GB		
Interface	Ethernet 10Base-T / 100Base-TX / 1,000Base-T USB1,1, USB2,0, USB Host		

FAX (Option)

Model	N510	N511	N512
Communication line	PSTN (Public Switch Telephone Network), PBX (Private Branch Exchange), G3 (Fax line)		
Transmission speed	2,4kbps ～ 33,6kbps		
Transmission time	Less than 2 seconds (A4, V,34, 33,6kbps, JBIG)		
Data compression type	MH, MR, MMR, JBIG		
Communication mode	ECM / G3		
Transmission size — Scanner	Max (W x L) 297 x 431,8mm (A3 or WLTR)		
Transmission size — ADF	Max (W x L) 297 x 1,000 mm (STD/Fine/Super fine) Max (W x L) 297 x 431,8mm (Ultra fine, Manual TX mode)		

More than an innovation!
An advanced multi-functional digital copier

N510/N511/N512

PRINT COPY SCAN FAX USB

※ Some images in this catalog show the product with the optional features installed.

1507

A3 Mono Multi—functional Digital Copier

N510/N511/N512

Simple and Smart

Smart printing with upgraded print quality and various finisher options. Refined printer architecture that's ideal for the office thanks to its compact space—saving design.

Supports more mobile devices

Improved mobile connectivity with smart phones and tablets. Print documents and images from your mobile device directly or save scanned data to back to your device. MFP functions can be accessed conveniently from mobile devices using dedicated apps for Android devices, or AirPrint compatibility with Apple devices.

Eco—friendly system

Power consumption can be reduced significantly by switching to the power saving mode easy and conveniently. Manage and register eco—friendly functions (e.g. double—sided printing, toner saving, and power saving) from the simple system management main menu.

Easy color control panel

Color control panel has been improved by applying innovative IWS application program. Shortcut keys can be set—up for frequently—used functions plus you can add your own user logo or customize icon designs. The new "Make—a—widget" functionality and other notifications can be added to the main menu, while the color inversion functionality has been added to assist users with weakened eyesight.

Mobile Solution & High Efficiency

Mobile Solution & High Efficiency

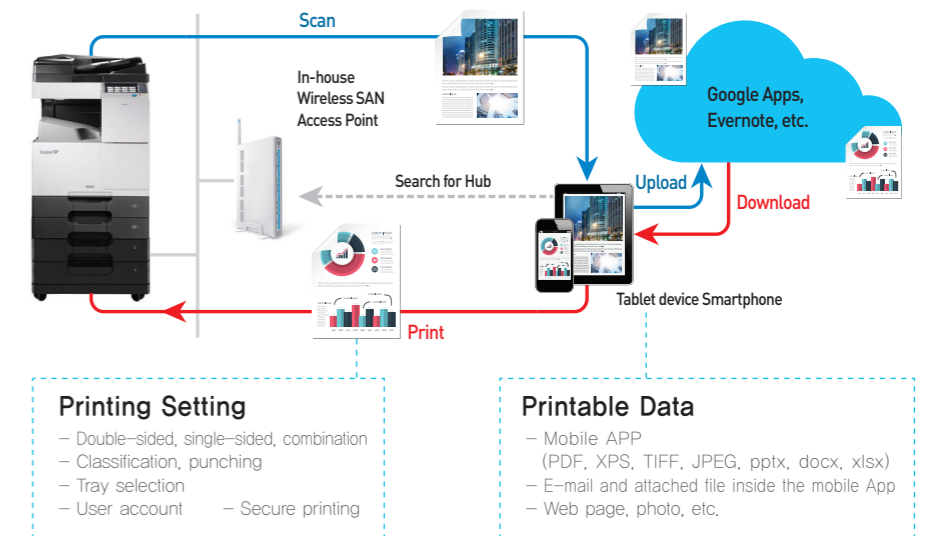### Various easy—to—use mobile functions

NFC functions are now available as a new mobile touch area has been installed on the OP panel. If a smart phone App is installed, mobile devices can be connected to the MFP more conveniently. What's more, camera, web, and e—mail functions are supported, making it possible to print these pages simultaneously. A scanned image can be directly saved in the mobile document box.

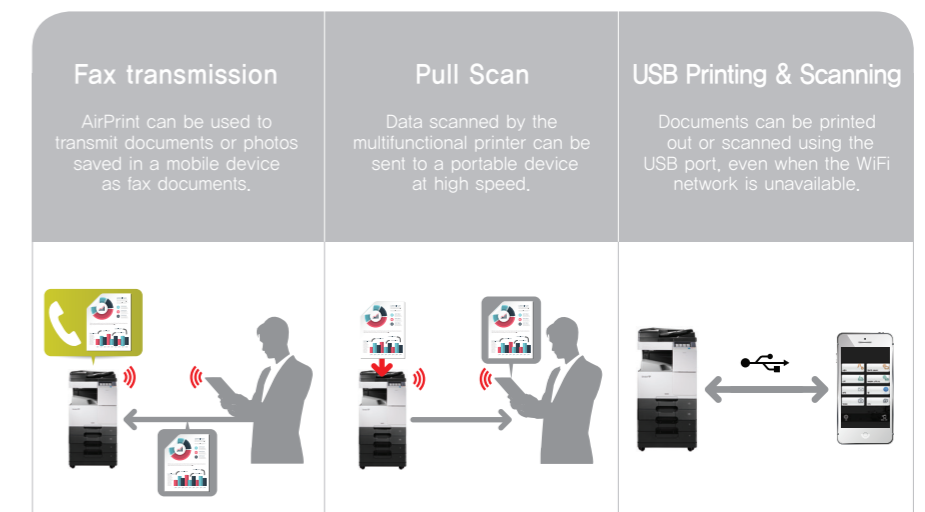※ **NFC :** Near Field Communication

Various types of print settings and data formats

Documents and images can be set in various data formats (PDF, JPEG, PPTX, etc.) and methods (double—sided, combination, secure printing, etc.) simply by connecting to any smart phone or tablet device.

Scan

In—house Wireless SAN Access Point

Google Apps, Evernote, etc.

Search for Hub

Upload

Download

Print

Tablet device Smartphone

Printing Setting

— Double—sided, single—sided, combination
— Classification, punching
— Tray selection
— User account   — Secure printing

Printable Data

— Mobile APP
  (PDF, XPS, TIFF, JPEG, pptx, docx, xlsx)
— E—mail and attached file inside the mobile App
— Web page, photo, etc.

AirPrint function

The AirPrint function is supported, allowing wireless printing, faxing, and scanning by connecting to an Apple device, without the need to install additional software.
If a WiFi connection is not available, scanned files can be saved through the USB port. Compatible printers can be scanned using wireless LAN.

Fax transmission	Pull Scan	USB Printing & Scanning
AirPrint can be used to transmit documents or photos saved in a mobile device as fax documents.	Data scanned by the multifunctional printer can be sent to a portable device at high speed.	Documents can be printed out or scanned using the USB port, even when the WiFi network is unavailable.

Efficient Network System

PRINT
Mobile PAD / USB
PDF/black and white
XML Direct Print
PS/PCL

COLOR SCAN
TWAIN / SMB / FTP
E-mail / WebDAV
USB

FAX
G3 fax / Internet fax
Color Internet fax / IP fax
Color IP fax/ PC fax
TSI Routing

COPY
Integrated copy
Double-sided copy
Secure copy

Smart & Practical System

Practical office solution

Multiple networks

The security and convenience of the document management system can be enhanced by using two different networks in a single product. Security documents can be printed out through wired LAN, whereas mobile devices can access all the functions of the multifunctional printer easily and quickly through wireless LAN.

※ Upgrade Kit UK-212 and Local Connection Kit EK-608 are required.

Main Network

2ⁿᵈ Network

Reduce operational costs

A target document can be directly printed out once the user has passed through a simple authentication procedure at the nearest networked multifunctional printer, without having to install a separate server. This function enables the user to significantly improve efficiency by reducing both the expensive server costs and the printing load of the multifunctional printer. Sales reps on the move, trading companies and conglomerate companies can use this function economically and conveniently.

※ I-option (LK-114) and memory (2GB) upgrade (UK-211) are required.

1. Send print job

Storage Device

2. Log-in to desired MFP   3. Select job and print
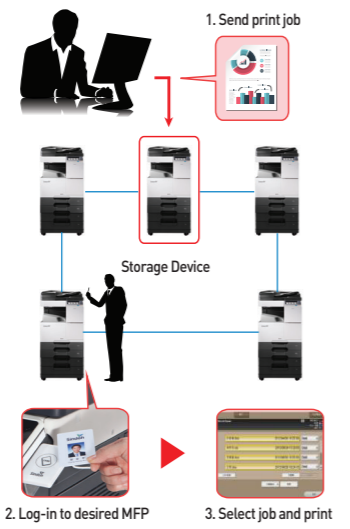
Free document conversion

Digital file conversion is supported, enabling the user to edit a scanned document as an MS Office PowerPoint, Excel or Word file.

※ When converting to a PowerPoint, Word or Excel file:
Upgrade Kit UK-211, I-option LK-105 V4, and LK-110 V2 are required.

Faster printing system

A printing environment can be greatly improved by installing the Thinprint printing solution. Thinprint enables rapid document handling by reducing the network load using a server-based computing environment.

※ I-option LK-111 is required.

Compact PDF function supported

Compact PDF is a function that splits a scanned document into an image and text, and then recombines them for optimal capacity; thus, saving is easier since it requires smaller capacity than other ordinary PDF. In addition, the network load can be significantly reduced when using FTP or e-mail.

※ Upgrade Kit UK-211 and LK-110 V2 are required.

Simple User Interface

Optimized to the user environment

Customized UI creation by user

Users can set the OP screen as they want and process their business quickly as they can use up to 4 external shortcut keys and 5 internal shortcut keys for the most frequently-used functions. Users can also set the main screen, color and function icons to suit their individual preferences.

• Change icon design   • Register frequently   • User logo
                          -used functions

Example of application of a customized interface

Smart widget function

A text box or an icon can be inserted into the OP as a widget. A particular function can be set in the widget, or an important meeting schedule or message can be displayed on the widget. The widget can be positioned in a specific location simply by dragging and dropping a message to that effect. The saved widget can be shared with other multifunctional printers using a USB.

Text box function

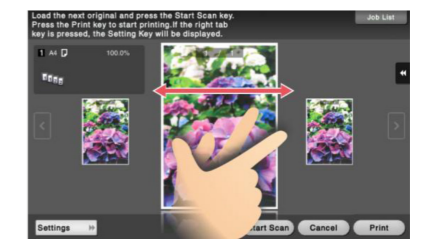Icon function

GIF animation function

Message function

Color inversion function

High visibility is supported, as colors can be inverted while maintaining the same contrast for individuals with weak eyesight and those with color blindness
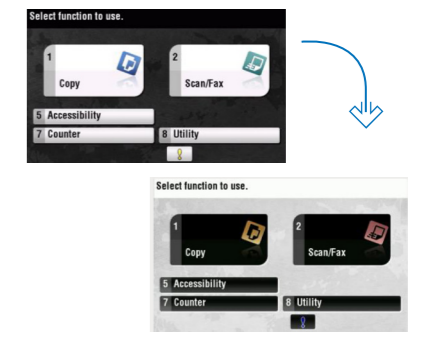
Preview & Edit

A scanned document can be edited (e.g. rotation, zooming in/out) on the OP, using the document preview function.

Eco-Friendly & Stylish

Eco—friendly system, simple design

Eco Power key

Both power management and power saving can be managed with the Eco button only.

Low power consumption system

Power consumption in the sleep mode is minimized to 0.5W, by applying the CPU switch function. Switching to the sleep mode is easy and convenient using the Eco button, which also manages the power key. Press the button quickly to enter Sleep Mode, or hold down the button to enter General Mode.

N500 Ser.
0.5W

Eco—friendly data management

The Eco function can be registered in a shortcut key on the main screen. The paper—saving (integrated printing, double—sided copy) and toner—saving mode can be set easily, and the record of accumulated power consumption (every hour, every month) can be managed easily from the control panel.
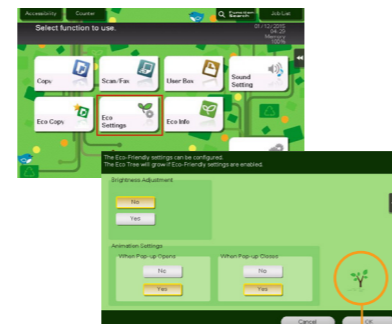
If Eco is set, the Eco Tree will grow in proportion to the accumulated time.

Complete Security Solution

High security, strengthened durability

User authentication method

Keypad authentication

|	
Security level	Normal
Authentication type	ID and password authentication using the multifunctional printer keypad
Note	The individual ID and password must be entered when the internal authentication of the multifunctional printer is used.
Additional options	None, When linked with HR Authentication module installation
Server	Required if linked with HR

Authentication device

Improved printing quality

The Automatic Developer Refresh function extends the life of consumables and stabilizes printing quality. In particular, service costs can be minimized by preventing the multifunctional printer from overheating during long periods of use.
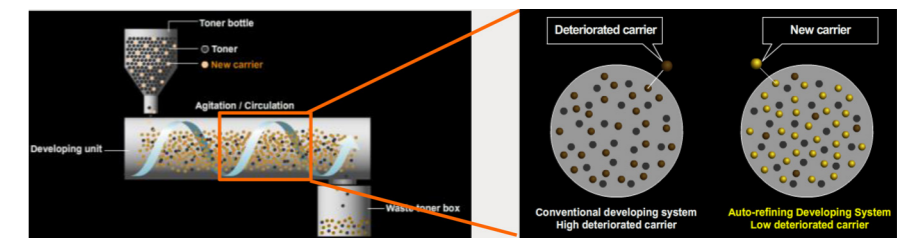
Compact design

The compact design improves the use of office space significantly. In addition, the smoothly—curved, monotone product design adds a refined touch to the office environment.
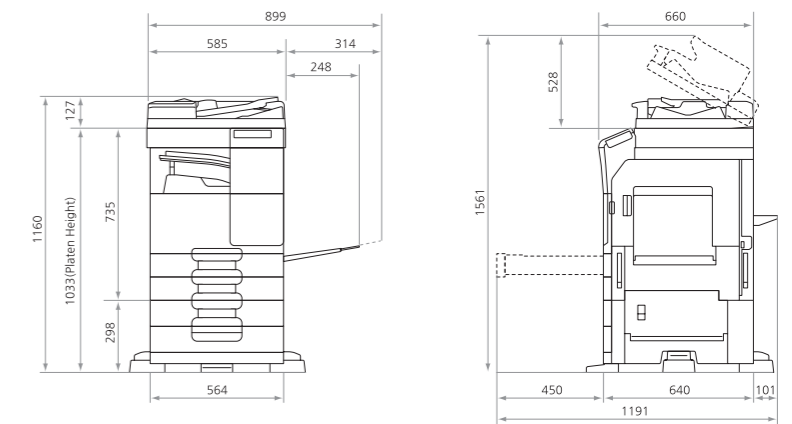
Supports various finisher options

The adoption of diverse and extensive finisher options enables users to complete various printing materials to their individual preferences with ease, including staple, folding, and saddle stitching.

Staple finisher			
Staple up to 50 sheets	Corner staple	Corner staple (parallel)	2 Staples (side)

Finisher + saddle stitching kit			
Small books and folding up to 15 sheets	Saddle stitching, folding	Folding in half	Folding into three sides

Finisher + punching kit		
Hole punching Up to 220g/m²	Two holes (side)	Two holes (upper side)