



NEC NEFAX® 797

High Definition Communication

Empowered by Innovation

NEC

NEFAX797 Key Features

- High Definition 11" x 17" Ledger-Sized Output
- 18 PPM Laser Output
- Interactive Touch Control Screen
- Standard 70-page Automatic Document Feeder
- Standard 33.6K JBIG Facsimile
- Available 1,750-sheet Capacity
- Available PCL and PostScript Adobe Systems Printing
- Available Network Applications
 - Scan to File
 - Scan to Email
 - IP Communication
 - Network Fax
 - Internet Fax
 - SIP Server Interface



Base Unit



High Definition Communications

Why limit yourself to a printer/scanner when the NEFAX 797 enables you send, receive and store documents on a variety of media?

The NEFAX 797 offers a wide range of capabilities including: digital faxing, printing, scanning, network faxing, IP, email, and an internet document solution. It is ideally suited for a corporate workgroup, a satellite office or small office and offers an 18-ppm digital engine and full 11x17 inch (ledger) size capabilities. It is perfect for users who require high definition images and the ability to send, receive and store document information via multiple technologies.

The NEFAX 797's beautiful design provides a large touch screen that makes operation simple. Its easy access and wingless design offers accessibility and provides convenient space usage.

Thanks to its large touch screen (a feature normally found only on high-end console units), the NEFAX 797 is intuitive to operate. Because all of the unit's features are available using the touch screen, it has a short learning curve and helps users make fewer mistakes and be more effective. Also, its unique tilting panel enables users to customize the panel position for maximum comfort. Additionally, the unit offers operation features that are quickly accessible and an easy to use QWERTY keyboard for email addressing and naming functions.

Powerful and Reliable

The automatic duplex document feeder offers fast input and high resolution output, which provides high-quality image scanning and high resolution documents and files.

The NEFAX 797 uses self contained consumables to make replacing toner and consumables easy and clean. Front access and enclosed units enable you to replace the items quickly and simply.

With up to a 1,750 sheet capacity, the NEC NEFAX 797 includes quick changing universal cassettes that hold up to 11 x17 inch ledger-sized paper. Change the paper size, and the unit automatically recognizes the paper size loaded. With four paper sources, the unit can handle a wide range of paper sizes for your requirements.

The NEFAX797 at a Glance

- Digital fax/printer/scanner/network fax/IP/email/internet
- Standard paper sources:
 - 250-sheet multi-purpose cassettes.
 - Optional additional paper sources:
 - 1,750-sheet capacity maximum
- Fast 70-page Automatic Document Feeder
 - 45-opm @ (200x200 dpi)
 - 35-opm @ (600x600 dpi)
- Ease-of-use-features:
 - Operation panel touch screen
 - Tilting control panel
 - Simple, touch-screen command interface
- User friendly and mess-free enclosed toner cartridges and drum system
- 18-ppm laser print speed
- Up to 11" x 17" ledger output
- PCL6 and Adobe Systems genuine PostScript availability
- Standard 33.6K fax
- Available dual fax line, simulations fax communications
- Wingless, compact design
- Multiple network applications option



Powerful Communications Facsimile Hub

The NEFAX 797 doubles faxing capacity by offering up to two fax ports that can simultaneously send and receive faxes. It provides the highest fax speeds available through super G3 at 33.6K bps with JBIG coding and a less than one second per page automatic document feeder. Fax functions are enhanced by the system's integration with network applications. Incoming and outgoing faxes can be automatically archived as .pdf or .tiff files, and faxes can be routed to a user's email. Memory lock timers enable users to automatically set the unit to store incoming faxes in memory at specified times for security purposes.

Print from Anywhere on the Network

Thanks to network integration, everyone in your office can connect to the NEFAX 797 and print. This available printer option comes with PCL6 networked printing. An additional option provides Adobe Systems genuine PostScript-3 for PC operating systems.

Enjoy Full-featured Network Applications

The optional Ei Network Applications Kit offers a suite of document scanning and communication integration solutions for your network. It comes complete with network scanning in file formats including TIFF and PDF. Now you can import and convert your paper documents to digital files and communicate all your information via file data.

Scanning options include:

- **Scan-to-Email:** Email integration enables you to email a paper document right from the NEFAX 797. The easy to use QWERTY keyboard provides a way to enter information, and the one touch key makes sending emails easy.
- **Scan-to-File (IP):** Scan documents to .pdf or .tiff files with the touch of a button. Network file scanning offers another way to convert documents to file data. With a resolution up to 600x600 dpi and a fast, high volume feeder, importing scanned files is fast and effective.

Data communication options include:

- **Network Fax:** Send faxes from your desktop as easily as you print them. An easy to use pop-up menu offers everyone on your network the ability to fax directly from their desktops.
- **IP Communication:** Send your documents over your IP network using high resolution, high speed and security for your intranet communications.
- **Forward/Archive:** Save your communications TX/RX as files or emails to individual PCs or a group of PCs. Automatically archive all communications for security, validation and storage purposes.
- **Internet Fax:** Transmit and receive faxes over the internet, eliminating phone line usage costs.
- **SIP-Fax:** Send documents on your VoIP network easily using the compatible NEC SIP Server on the SV7000 and NEC SIP-Fax adaptor. It provides high speed and low cost alternatives.
- **IT Series Agent:** This networked management system provides the ability to program and manage your unit from your desktop.



General Specifications

BASIC SPECIFICATIONS:

TYPE: Laser Digital Fax/Printer/Scanner
MONTHLY DUTY CYCLE: 15,000 pages

PRINT/COPY SPEED:

18 ppm (letter, portrait)
11 ppm (legal)
10 ppm (ledger)

SCAN SPEED:

Up to 35 opm (600x600 dpi)
Up to 45 opm (200x200 dpi)

PRINT/COPY RESOLUTION:

600 x 600 dpi

ORIGINAL SIZE:

ADF: Up to 11" x 17" (copy/fax/scan)
ADF: 5" x 3.9" up to 11.6" x 39.3" (fax)

PRINT SIZE:

5-1/2" x 8-1/2" to 11" x 17"

WARM-UP TIME:

25 seconds or less

FIRST COPY:

Less than 9 seconds (letter)

COPY QUANTITY:

1 - 999

MAGNIFICATION:

Zoom range: 50% – 200%,
1% increments
Preset reduction: 86%, 81%, 70%
Preset enlargement: 115%, 122%,
141%

COPY EXPOSURE MODES:

Text (legible text)
Text/Photo (clear text and halftones)
Photo (optimized for gradations)

PAPER SUPPLY:

250-sheet universal cassette
(16 lb. to 24 lb. bond)

MAXIMUM PAPER CAPACITY:

1,750 sheets (total with options)
(up to 50 lb. in optional 2nd cassette
plus 3rd and 4th cassette option)

FAX :

Super G3 compatibility with ECM
JBIG compression code
33.6 Kbps modem speed
F-Code support

FAX SCAN SPEED:

0.66 second per page
(standard and fine resolutions)

FAX TRANSMISSION SPEED:

Approximately 2 seconds/page¹

FAX EXPOSURE MODES:

Text, Text/Photo, Grey Scale

DOCUMENT FEEDER: STANDARD

Paper Capacity: 70 sheets
Paper Size: Single sided
8-1/2" x 11" to 11" x 17" (copy/scan)
5" x 3.9" to 11.6" x 39.3" (fax)
Paper Weight:
Single-sided 9-1/4 lb bond to 34 lb bond

SCAN RESOLUTIONS:

200 x 100 (Standard Fax)
200 x 200 (Fine Fax)
400 x 200 (Super Fine Fax)
600 x 600 (Scan & Copy)
GSR 256 Gradations

SUPPLIES/CONSUMABLES:

Toner: Cartridge 10.1K @ 6% (multi-print)
Drum: Cartridge 44.2K (multi-print)
Stamp: Iridescent ink-cartridge

POWER REQUIREMENTS:

120 V, 50/60 Hz, 12A.

POWER CONSUMPTION:

Min. 5w, Max 1.1Kw

DIMENSIONS (W x D x H):

23-1/2" x 26-1/2" x 15-1/2"
(standard configuration)

WEIGHT:

Approx 86 lbs.

OPTIONS:

KC90PFC ~Paper Cassette (550 sheets)
(one KC90PFC per unit)
KC90PFC2 ~Dual Paper Cassettes (550
sheets x 2)
(requires KC90PFC + KC90SD-S)
KC90SD-S ~Short Stand
(for use with Dual Cassette)
KC90SD-T ~Tall Stand
KU16PI ~Pi Printer Kit (PCL)
(includes NIC., Driver, Print Mgr.)
KC90PS ~PostScript option
(added to Pi Printer Kit)
KC90MP ~128MB Pi Memory
KU16EI ~Scan Ei Network Applications Kit
(Includes: NIC., Scanning, Net Fax, Internet
Fax, Email, IP)
KC90MA ~Optional Memory Board 64MB
KU1601 Second G3 Fax Port
KC90ST ~TX Marker Stamp Unit 2
KU16UP ~One touch upgrade

Available Copy/Print Functions*

Auto Reset
Auto Tray Switching
Copy Modes (Simplex, 2-in-1, 4-in-1)
Cover Mode
Energy Save Mode
Image Adjustments
Interrupt
Job List
Mode Check
Auto Paper Size Selection
Secure Print
Sleep Mode
Utility (Reports, Environment Setting,
Copy Program, Usage Data, Administrator
Management)
Watermarks
Zoom Selection

Fax Functions*

2nd Super G3 Port option
Autodialing (300/810-touch keys)
Auto Dial Search
Auto Memory Reception
Auto Reduction Printing

Broadcasting (maximum 300 locations)

Bulletin Board
Density Adjustment
Destination Insertion
Destination Search
Exposure Mode (Text, Text/Photo,
Grey Scale)
Group Dialing
F-Code
2-in-1 Transmission
Image Rotation Transmission
Memory Lock
Memory/Quick Dial
Mix Originals Transmission
Original Size Designation
Password Transmission/Reception
Polling Transmission/Reception
Priority Transmission
Program Dialing (30 programs)
Real Time TX
Redial
Relay Broadcasting
Relay Transmission
Scan Area Reduction (Auto, Manual)
Secure Printing
Timer Transmission

PAGE DESCRIPTION LANGUAGE:

PCL 5e Emulation
PCL 6 (XL version 2.1) Emulation
PostScript Level 3
(Adobe Systems genuine)

FONTS:

PCL Resident Fonts: 45 outline + 35 PS
fonts (BitStream)
PostScript Resident Fonts (PS3): 136 outline

PRINT DRIVERS:

PCL 6:
Windows 2000 (Professional, Server)
Windows XP (Home, Professional)
Windows Server 2003,
Windows Vista (Home Basic, Home
Premium, Business, Enterprise, Ultimate)
PS3:
Windows 2000 (Professional, Server)
Windows XP (Home, Professional)
Windows Server 2003,
Windows Vista (Home Basic, Home
Premium, Business, Enterprise, Ultimate)

OPERATING SYSTEMS AND BROWSERS

Windows 2000 (SP2 or later)
Windows XP
Windows Server 2003
Windows Vista
Netscape ver. 4.51 or later
Internet Explorer ver. 4.01 SP2 or later

INTERFACE:

Ethernet 10Base-T / 100Base-TX
USB 2.0
IEEE 1284

PROTOCOLS:

SMB: TCP/NetBEUI
lpd: TCP/IP
IPP: TCP/IP
Port9100: TCP/IP

Ei NETWORK APPLICATIONS: (option)

Scan to File (IP/One-Touch, Preset Scan)

Protocols: TCP/IP
Document Size : Letter, Legal, Ledger
Resolution: 200x100, 200x200, 400x400,
600x600 dpi
File Format: Tiff, PDF
Coding Method: MH, MMR
Target File: Directory folder specified at PC
Destination: IP address from PC
(Preset Scan),
IP address max. 300/810 (IP/One Touch)

Network Fax

Protocols: Email-MIME
Document Size: Letter, Legal
Resolution: 200x200, 400x400 approx. dpi
File format: attached file format -TIFF-F
Coding Method: MH
Broadcast: destinations Max. 1500
Address Book: 1000 address per address
book, search function, CSV/WAB format
available

TX to Email / Scan to Email

Protocols: TCP/IP, SMTP (IETF RFC2821,
RFC2822)
Document Size : Letter, Legal, Ledger
Resolution: 200x100, 200x200, 400x400,
600x600 dpi
File Format: Email -MIME, attached file-
TIFF, PDF
Coding Method: MH, MMR
Destination: Registration of Email address,
max. 300/810

Internet Fax

Protocols: Email TX-SMTP (IETF RFC2821,
RFC2822), TCP/IP
Email RX- POP3 (IETF RFC1725, RFC1939,
TCP/IP
Document Size : Letter, Legal, Ledger
Resolution: 200x100, 200x200, 400x400,
600x600 dpi
File Format: Email -MIME, attached file-TIFF
Coding Method: MH, MR, MMR
Destination: Registration of Email address,
max. 300/810

IP Communication

Protocols: Email TX-SMTP (IETF RFC2821,
RFC2822), TCP/IP
Document Size : Letter, Legal, Ledger
Resolution: 200x100, 200x200, 400x400,
600x600 dpi
File Format: TIFF
Coding Method: MH, MR, MMR
Destination: Registration of IP address,
max. 300/810

SIP-Fax

Protocols: SIP (RFC3261)
Document Size : Letter, Legal, Ledger
Resolution: 200x100, 200x200, 400x400,
600x600 dpi
Coding Method: MH, MR, MMR
Destination: Registration of IP address,
max. 300/810

IT Series Agent Manager

Protocols: TCP/IP, HTTP

Format: HTTP

Display: Operation Status
(Copy/Printer/Fax/Internet Fax/Scanner)
Device Status (Alarm/Paper Size/Paper
Status/Option Configuration)
Registration/View: One-touch/Index/Bulletin
Board Maintenance: Initial Setting/account
reg./Account total/ Total Page/Power
Save/Network Settings/Scan Settings

Operation Environment for Utilities

CPU: 133 MHz or faster
OS: Windows/Server 2003*/Windows XP/
Windows 2000 / Windows Vista
(*Network Fax does not support Vista and
Windows Server 2003)
Memory: 64 MB or more
(128+MB recommended)
HD Capacity: 50 MB or more of free space

Immediate Nationwide Help: With the purchase of your NEFAX 797 equipment, you gain access to NEC's National Support Center, where help is always at your fingertips. NEC will happily answer your questions and help you solve any problems.

For more information, visit our website at necunified.com

*Some functions may require options, which may or may not be available at time of launch.

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¹Based on NEC ITU-T Test Chart No. 1, using standard fax resolution in B/W. Actual communication time/speed may vary.

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About NEC Unified Solutions, Inc. NEC Unified Solutions Inc., a global leader in VoIP and data communications for the enterprise and small-medium business, delivers the industry's most innovative suite of products, applications and services that help customers achieve business value through technology. NEC Unified Solutions, a wholly owned subsidiary of NEC Corporation of America, offers a complete portfolio of solutions for wireless, unified communications, voice, data and management services, and an open migration path to protect investments. NEC Unified Solutions, Inc. serves Fortune 1000 customers across the globe in vertical markets such as hospitality, education, government and healthcare.

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