

LANIER

LF412/LF417e

FACSIMILE



Sophisticated fax technology for efficient workflow.

Large workgroups can add these powerful multifunctional fax systems in network or stand-alone configurations to increase productivity and accelerate document communications



Superior performance for workgroups

Large workgroups perform hundreds—if not thousands—of individual document management tasks every day. To maintain high productivity in these demanding, fast-paced environments, you need easy-to-use systems that deliver exceptional efficiency and productivity. Like the Lanier LF412, which provides quick fax transmission speed and convenience copying for stand-alone applications. Or the network-ready Lanier LF417e, which comes standard with a full range of advanced fax features, plus copying and scanning. Both systems also offer optional printing for additional versatility.

Unmatched efficiency

With the Lanier LF412/LF417e, end-users can access a single, powerful fax system that can handle a complete array of essential document communication tasks with speed, ease and convenience.

- Ensure quick transmission for all fax documents—up to 30 pages-per-minute¹.
- Double your transmission capacity with an optional second Super G3 line. It operates independently, so you can use both lines for transmission or dedicate one line for transmission and a second for reception.
- Scan important fax documents, then walk away with the original instead of leaving the document in the tray.
- Maximize productivity and minimize interruptions in high-usage environments with a total paper capacity of 1,350 sheets (with all options).
- Reduce paper consumption with duplex fax reception and duplex scanning (except for color Scan-to-Email).

¹ Approximately 2 seconds-per-page at 33.6 Kbps with JBIG is dependent upon optimal line quality; and customer performance may vary by location.

High-performance faxing

The Lanier LF417e comes equipped with advanced capabilities you can use to significantly reduce or even eliminate the typical costs of global document distribution.

- Send faxes at no cost with Internet faxing (T.37), which works the same way as Scan-to-Email. In this case, the e-mail address is a similarly equipped Internet fax.
- Large companies with multiple networked locations can deliver documents in real time—at no charge—with IP faxing (T.38). This zero-cost method sends directly to the IP address of the receiving fax. Transmission is instantaneous.





The Lanier LF412 and LF417e deliver the technology you need to maintain high productivity.



Color Scan-to-Email offers a secure, paperless way to deliver virtually any

- Companies that have implemented Voice over IP (VoIP) technology can incorporate the Lanier LF417e in their communications architecture without connecting the system to analog phone lines.
- Enhance your productivity right from the desktop with LAN faxing. This capability allows you to send faxes to any other G3 fax system without leaving your PC. The LAN Fax Cover Sheet Editor even creates customized cover sheets.
- Send any hardcopy document as a PDF or JPEG—whether full-color or black & white—with standard Scan-to-Email.

Convenient laser printing

Use the Lanier LF412/LF417e to accomplish much more than fax jobs when you add the optional 15 page-per-minute (ppm) PCL 5e/PCL 6 printer function.

- Handle a wide variety of printing tasks, including paper-saving duplex output, auto paper selection, slip sheet insertion and watermark printing.
- Print on specialty stocks, such as envelopes and labels, with the optional 100-sheet Bypass Tray.

Superior productivity

Both the Lanier LF412 and the Lanier LF417e are engineered to help you operate as productively as possible. From the systems' outstanding overall durability to their specific sets of features, these systems have the time-saving tools you need to streamline workflow.

- Conveniently create digital black & white copies with 15 ppm speed.
- Expect crisp, clean 600 x 600 dpi image quality for all digital copies, incoming fax documents and printed pages.
- Eliminate the need to organize sets manually with automatic collation for all output (fax, copy, print).
- Count on fast, high-resolution scanning for multi-page documents—up to 1.3 seconds-per-page for black & white or 4.0 seconds-per-page for color—with the 70-sheet Automatic Document Feeder.

To-Email



Internet

scanned document—including color photos, brochures, maps and plans.

User-friendly design

No matter what a fax system can do, it will not help your workgroup improve efficiency if it is difficult to use. That is why the Lanier LF412/LF417e incorporates a straight-forward design for simple, intuitive operation.

- Find exactly what you need on the easy-to-use control panel, including a familiar QWERTY keyboard and 22-character x 2-line backlit LCD for checking system status and settings.
- Assign complex key sequences to one of 10 programmable User Function Keys for one-touch operation.
- Send fax documents to your most frequent recipients with one-touch convenience using 90 Quick Dials and 200 Speed Dials.
- Scan color originals at full resolution or with a halftone screen using the Color Scan/Halftone Key (standard on Lanier LF417e).
- Select the appropriate level of detail for fax transmission with the High-Resolution Scan Key.

Easy network integration

When connected to the network, the Lanier LF417e is easy to install and simple to manage. So your IT department can add it to the network with confidence.

- Ensure error-free configuration with industry-standard Ethernet connectivity, while the WebImageMonitor feature supports remote administration.
- Control access to all transmission capabilities—including Scan-to-Email, faxing, IP faxing and LAN faxing—with Server Domain Authentication.
- Streamline network integration with Dynamic Host Configuration Protocol (DHCP).



Accommodate lengthy, multi-page documents (up to 47.2" long) with the 70-sheet Automatic Document Feeder.



Deliver any document to the Lanier LF417e for transmission, right from your PC, with the LAN faxing feature.

Your Environmental Partner



Lanier continues its long-standing commitment to developing office solutions with environmentally friendly and superior energy- and supply-saving features, without compromising productivity, including:

- Power-Saving Sleep Mode
- Duplex and Combine Copy Modes
- Minimal Ozone Emissions
- Restriction of Hazardous Substances Compliant (RoHS)

Built for Smooth, Uninterrupted Operation

70-sheet Automatic Document Feeder (standard)

Scans black & white pages in 1.3 seconds, color pages in 4.0 seconds.

Automatic Duplexing (standard)

Cut paper usage in half for fax, copy or print output.



Easy-to-use Control Panel

Intuitive design and a backlit LCD make it easy to finish any task.

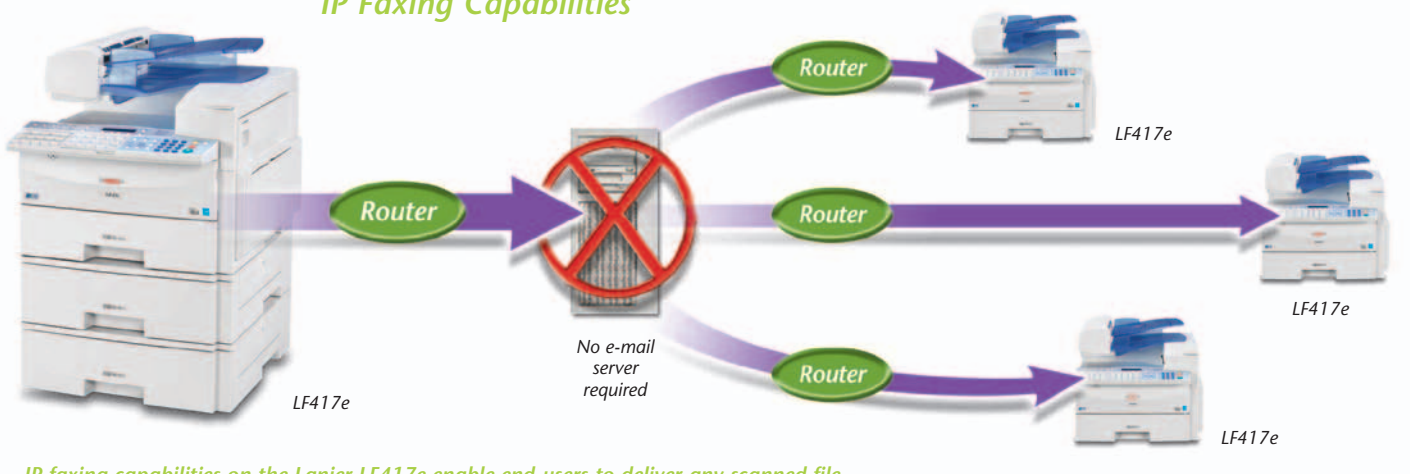
100-sheet Bypass Tray (standard on the Lanier LF417e)

Print or copy on labels, envelopes and other special paper stock.

1 or 2 x 500-sheet Paper Feed Units (optional)

Boost total paper capacity to 1,350 sheets.

IP Faxing Capabilities



IP faxing capabilities on the Lanier LF417e enable end-users to deliver any scanned file virtually instantly with 600 dpi quality, with no phone costs and no e-mail server.

LF412/LF417e

SPECIFICATIONS

FACSIMILE SPECIFICATIONS

Type	Desktop Facsimile
Recording Method	Laser
ITU-T Compatibility	Group 3 (V.34); ECM
Modem Speed	33.6 Kbps with Auto fallback
Transmit Speed (Max.)	2 seconds*
Data Compression	MH/MR/MMR/JBIG
Scan Speed (Letter, Standard Resolution)	1.3 seconds-per-page** B&W 4 seconds-per-page Color
Dual Access	Standard
Document Memory (Standard)	16 MB (1,280 pages**)
Document Memory (Optional)	40 MB (2,200 pages**)
Auto Dialer	90 Quick Dials, 200 Speed Dials, 9 Group Dials
User Function Keys	10 (dedicated keys)
Document Memory Backup	12 hours with Standard Memory; Infinite with 40 MB Memory Card
Automatic Document Feeder	Standard (70 sheets)
Document Width/Scan Width/Length (Max.)	8.6" x 8.48" x 47.2"
Scan Resolution	Standard: 200 x 100 dpi Detail: 200 x 200 dpi 300 dpi (Scanner only) Super Fine: 400 x 400 dpi Extra Super Fine: 600 x 600 dpi
HalfTone	64 levels with ARGONA***
Print Speed (Max.)	15 pages-per-minute
Print Resolution (Max.)	600 dpi (fax and printer)
Resolution Enhancement	Super Smoothing HQ™
Recording Width/Paper Size (Max.)	8.26" x 8.5" x 14"
Paper Capacity (Standard)	LF412: 250-sheet Paper Tray (Letter) LF417e: 250-sheet Paper Tray (Letter) + 100-sheet Bypass Tray (Total 350 sheets)
Paper Capacity (Optional)	500-Sheet (Letter / Legal) x 2 Paper Feed Units
Paper Capacity/Sources (Max.)	1,350 sheets/4
Multi-Copy Capacity	Up to 99 (with duplexing)
LCD Display Size	2 lines (22 characters each line)
Power Consumption	Max: Less than 1000W Min: Less than 2W (LF412), 6W (LF417e)
Power Requirements	120V, 60Hz
Environment	59 to 77°F, 30 to 70% RH
Dimensions (WxDxH)	LF412: 17.6" x 21.7" x 21.6" LF417e: 17.6" x 21.7" x 16.2"
Weight	LF412: 61.7 lbs. LF417e: 50.7 lbs.
Consumable Yields	Toner Cartridge: 5,000**
Photoconductor Unit	45,000 pages
Optional PFU	17.0" x 16.1" x 5.5" (WxDxH); Weight 10.6 lbs.

INTERNET FAX/IP FAX/VOIP/SCAN-TO-EMAIL (NIC FAX UNIT)—STANDARD ON LF417e

Network/Connection	LAN, 100Base-TX/10Base-T Ethernet, RJ-45
Transmission Speed	10/100 Mbps
Document Size	8.5" x 11", 8.5" x 14"

Compatibility

Internet Fax: ITU-T Rec. T.37
IP Fax: ITU-T Rec. T.38

Scan Resolution Internet Fax

Standard: 200 x 100 dpi
Detail: 200 x 200 dpi
Standard: 200 x 100 dpi
Detail: 200 x 200 dpi
Super Fine: 400 x 400 dpi
Extra Super Fine: 600 x 600 dpi
Std. B&W: 200 x 100 dpi
Std. Color: 100 x 100 dpi
Detail: 200 x 200 dpi
300 dpi: 300 x 300 dpi
Super Fine: 400 x 400 dpi
Extra Super Fine: 600 x 600 dpi

IP Fax/VoIP

E-mail Trans.: SMTP, TCP/IP
E-mail Rec.: POP3, SMTP, IMAP4, TCP/IP
IP Fax: T.38 Annex B, TCP, UDP/IP
Scanner: FTP, TCP/IP

Scanner

Internet Protocols

E-mail Format

Single/Multi-Part, MIME Conversion

Attached File Format

TIFF-F (MH Compression), DCX, JPEG, PDF

Security

POP before SMTP, SMTP Authentication, APOP, Server Domain Authentication (Windows 2000, Windows Server 2003, Windows NT4.0)
Standard

Dynamic Host Configuration Protocol (DHCP)

Standard

WebImageMonitor

NIC FAX FEATURES—STANDARD ON LF417e

Internet Fax & Scan-to-Email:

- Backup Transmission/Reception
- Color/B&W Scan Modes
- E-mail Subject/Message/Suffix Templates
- Error Mail Notification
- Journal by E-mail
- Reception Confirmation
- ScanRouter Lite Included
- IP Fax (Real Time, T.38):** Reception Confirmation
- VoIP Compatibility**

LAN Fax (Software Included):

- Address Book, Broadcast, Convenience Printing

GENERAL SYSTEM FEATURES

Automatic Collation, Clock (with Auto Summer Time Adjustment), Counters (Tx/Rx/Scn/Prt), Dual Access (Multitasking), Scan Duplex Documents, Energy Saver Mode, Help List, Keystroke Programs (90), Label Registration for Quick/Speed Dials, Personal Codes, Photo (HalfTone) Mode, PIN Code Protection, Power Failure Report, QWERTY Keypad, Remaining Memory Indicator, Restricted Access, User Function Keys

FAX COMMUNICATION FEATURES

Chain Dialing, Communication Failure Report, Error Report, Fax Headers (2), Journal (Auto/Manual Print), Lists (Quick/Speed/Prog./Grp/User Function), Memory File Transfer, Monitor Speaker, No Document, No Dial, On Hook Dialing, Polling Trans./Reception, Quick Dial Label Print, Redial (Auto/Manual), Shortened Protocol, Telephone Directory

FAX TRANSMISSION FEATURES

Auto Document, Auto Page Retransmission, Auto Reduction (Transmit), Backup File Transmission, Batch Transmission, Blank Document Detection, Forwarding, Immediate/Memory Transmission, ITU-T Sub-Address, Label Insertion, Memory Storage Report, Page Count, Page Retransmission, Quick (Parallel) Memory Transmission, Send Later, Serial Broadcast (Immediate/Later), Simultaneous Broadcast (via opt. 2nd G3 Modem), Transfer Request, Transfer Transmission, Transmission Confirmation Report, Transmission Failure Report, Transmission Reserve, Verification Stamp

FAX RECEPTION FEATURES

Authorized Reception, Confidential Reception (with or without ID), Continuous Polling, Checkered Mark (Document Separation), Duplex Fax Reception, Memory Lock, Memory Polling, Multi-Copy Reception, Multi-Polling Reception, Reception Time Print, Specified Tray Select (with Optional Paper Feed Unit), Substitute Reception, Two-in-one Reception

Printer Features (Optional with LF412)

Print Speed (Letter)	15 pages-per-minute
Printer Resolution (Max.)	600 x 600 dpi
Interface	Standard: IEEE 1284 Parallel Option: 100Base-TX/10Base-T
Printer Memory (Std./Max.)	16 MB/144 MB
Operating System	Windows 95/98/Me/NT 4.0/2000/ XP/Vista****
Printer Control Language	PCL 5e/6; PostScript2 compatible (Optional)
Other Features	Duplex, Collate, Slip Sheet, Page Protect, Auto Continue, Auto Tray Select, Tray Lock, Font Storage, Watermark, Toner Saver, Edge Smoothing, User Code, Bypass Tray Print

OPTIONS

- 100-sheet Bypass Tray Type 300 (LF412 only)
- 32/64/128 MB Printer Memory Type B
- 40 MB Memory Card (Feature Expander) Type 410
- 500-sheet Paper Feed Unit Type PS480 (up to two can be installed)
- Cabinet Stand
- G3 Interface Unit (2nd 33.6 Kbps Line) Type 410
- Network Interface Board Type 1018 (see Printer Features)
- NIC Fax Unit Type 410 (LF412 only)
- PostScript2 Interface Unit Type 1018
- Print Controller
- Telephone Handset Type 1018

SUPPLIES

- ADF Maintenance Kit Type 300
- Marker Refill Type 30
- Toner Cartridge Type 1160
- Photoconductor Unit Type 1013

*Approximately 2 seconds per page at 33.6 Kbps with JBIG is dependent upon optimal line quality, and customer performance may vary by location.
**Based on ITU-T Test Chart #1 in Standard resolution.

***ARGONA Advanced Ricoh's Graphic Operation by New ASIC based on diffusion method.

****Windows Vista will be available after launch. Please check our website for release dates.

CONNECTIVITY COMPARISON

	LANIER LF412	LANIER LF417e
Color Scan-to-Email	Optional	Standard
Internet Fax	Optional	Standard
IP Fax	Optional	Standard
LAN Fax	Optional	Standard
Network Scan	Optional	Standard
PC Print	Optional	Optional
Network Print	Optional	Optional
PS2 Module	Optional	Optional
Web Browser Monitor	Optional	Standard

