

Aficio™ FAX5000L

Aficio™



**Super G3 Fax with
A3 Paper Transmission & Reception**

RICOH
Image Communication

The Fax with Potential

Today's competitive business environment demands uncompromising communication, efficiency and sophistication. To keep you ahead of the game, Ricoh has produced a new high-speed facsimile - the Aficio™FAX5000L - that provides everything you could expect, with added versatility and ease of use.

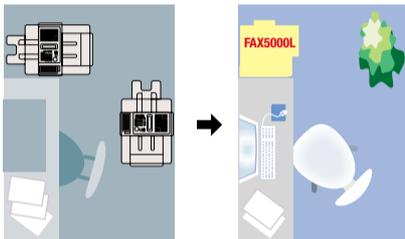
Features such as A3 transmission and the compact, wingless design give you greater versatility, while an extra-rugged engine delivers the reliability you need for the most demanding situations. An all-in-one toner cartridge offers both superior image quality and convenience, while the Energy Saving Mode cuts your costs to the bare minimum. Options such as the add-on G3 port and ISDN G4 kit enable you to upgrade this fax as your business grows.

Other features include an ultra-fast 3-second transmission speed, 1.5-second scanning speed, a standard memory of 2 MB - expandable with 2 MB/4 MB/40 MB memory cards, and easy memory transmission cancellation.



Optimum Expandability

You can upgrade the performance of the Aficio™FAX5000L in many ways. To save time you can add Super G3 or G4 ports for simultaneous communications. To speed up transmission you can opt for JBIG compression. Additionally, it is possible to send and receive fax messages directly from your computer by installing the optional PC-Fax unit.



Dual port communication helps to optimise office space.

Dual Port Communication

• Two Super G3 ports

Adding the G3 Interface Unit Type 500 option enables you to connect your Aficio™FAX5000L to two separate lines for simultaneous Super G3 communications. Multi-port communication gives your Aficio™FAX5000L the capabilities of two facsimile units - a great way to maximise valuable office space.

• Accelerate from G3 to G4 (ISDN)

For the ultimate in speed and accuracy, the Aficio™FAX5000L allows you to upgrade to the G4 data transfer standard. In this mode, you can transmit documents as fast as 1.5 seconds per page. Moreover, since data is sent digitally, image quality is superior and there is less chance of error. This feature is ideal for high-volume or long-distance communications.

JBIG Communication

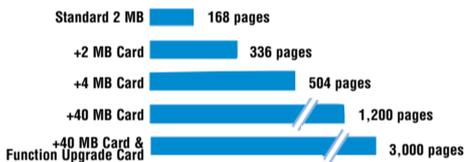
Thanks to the optional JBIG compression, the Aficio™FAX5000L can transmit in less than 3 seconds by using Super G3. The result is much clearer when transmitting pictures or images; transmission is two to three times faster than MMR method.

Send Fax from PC

By mounting the optional PC-Fax Expander Type 500, transmissions from PC to facsimile, connected with serial cable, become possible. You can directly transmit the data from your PC. You can also receive the sent document with your PC, see it on the display and save it into the memory.

Memory Capacity

The Aficio™FAX5000L has a 2 MB (168 pages) memory as standard, and optional 2 MB, 4 MB and 40 MB-memories are available. This way you can expand memory volume and functions to suit to your need.



Memory capacity expansion



Aficio™FAX5000L can be used with PC-Fax Expander to send and receive fax documents via your PC.

Easy Operation and Efficiency

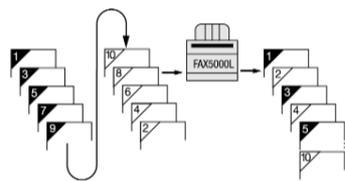
The Aficio™FAX5000L is not only extremely powerful and versatile, its operation is also very straightforward thanks to a convenient LCD, user-friendly features and easy maintenance.



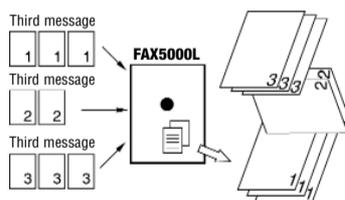
Status indicator



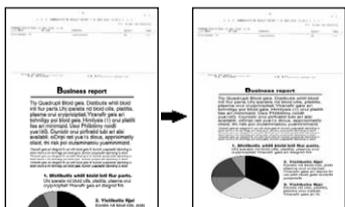
All-in-one type toner cartridge



Double-sided document scanning



Rotate sort



Report with image

Large 4-line LCD

An Operation Panel with large 4-line LCD and clear menu structure allows easy access to all of the Aficio™FAX5000L's features. A back-light on the operation screen makes the Aficio™FAX5000L easier to use by compensating for reflections from windows and overhead lighting, and enabling use in poorly lit environments.

Convenient Status Indicator

The Aficio™FAX5000L is equipped with a Status Indicator. A green or red signal flashes so that you can check the condition of transmission and operation from your desk.

Paper Supply Indicator

Red light flashes when the paper in the trays (both standard and optional) is running out. This makes it easy to know when to refill paper without opening the tray.

All-in-one Cartridge

The all-in-one toner cartridge offers reliable print quality, trouble-free maintenance and is designed for easy, convenient replacement. And because you never have to wait for a service-technician to replace the toner and drum, the Aficio™FAX5000L is always operational.

Full-front Operation

With the Aficio™FAX5000L you can send and receive documents and load recording paper from the front of the machine. This not only ensures greater operational convenience, but also provides you with critical space-savings.

Environmentally Friendly

Offering sophisticated power management, the Aficio™FAX5000L's "Energy Saver Function" switches the unit to Energy Saving Mode at the touch of the Energy Saver Key, or automatically if it is left idle for five minutes. Although power consumption is reduced to a mere two watts, it is able to handle all incoming calls and print orders. The materials used for each part of the fax machine are clearly labelled to facilitate easier separation for recycling purposes.

Time-saving Duplex Scanning

Now, when you want to send double-sided documents, you will never need to copy them before faxing. Simply scan the front of the sheets (the odd-numbered pages) first, followed by the back of the sheets (the even-numbered pages). The Aficio™FAX5000L automatically rearranges your pagination in the correct order before transmitting.

Rotate Sort

With an optional paper cassette, A4 size paper can be set both horizontally and vertically in each tray. The Aficio™FAX5000L switches between horizontal and vertical output for each transmission when receiving an A4 document. This feature is useful because you can easily retrieve your documents when there are several in the receiving tray.

Image Rotation

Image Rotation ensures that incoming faxes are automatically rotated to fit the A4 size paper that is in the tray - regardless of how they were transmitted.

Report with Image

When the transmission is unsuccessful a failure report with an image of the sent document will be printed. The image is automatically reduced to fit the paper, whatever the paper orientation is in the tray. The document is thereby easily recognisable for you to be resent.

High Productivity

To meet all the productivity requirements of today's business environment, the Aficio™FAX5000L features a very fast scanning and transmission speed as well as an impressive paper capacity. It also starts sending the first pages while scanning the rest of your document, and can handle different functions at the same time.



Compact design

3-second Transmission

Large-volume faxing results in a substantial increase in transmission costs. To alleviate this, Ricoh employs a fast, cost-saving 33.6 Kbps modem that transmits an A4 page in only three seconds.

Compact Design and A3 Transmission/Reception

The Aficio™FAX5000L is capable of full size A3 paper sending/receiving. Its wingless design is remarkably smart; the document feeder and document receiving tray do not occupy surrounding space. The setting area requires merely 505 mm (width) x 609 mm (depth).

Fast 1.5-second Scanning

With the Aficio™FAX5000L, you can scan an A4-size document into the memory in a mere 1.5 seconds. This means that when sending multi-page documents, the Aficio™FAX5000L is available quicker for the next user, minimising queues at the fax machine.

Quick Memory Transmission

The Aficio™FAX5000L can start transmission while your documents are still being scanned into the memory. This enables faster confirmation of connection and ensures faster document delivery. Furthermore, this process makes the memory available quicker so outbound documents do not congest the memory and block the reception of important incoming documents.

Triple Access

The Aficio™FAX5000L allows you to execute memory transmission/reception, printout, and scan-to-memory functions simultaneously. This powerful feature is especially advantageous during peak hours because it eliminates unnecessary waiting – both for the sender and the receiver. For example, even while printing a received fax message, the Aficio™FAX5000L can receive another incoming fax and store it to memory.

Large Paper Capacity

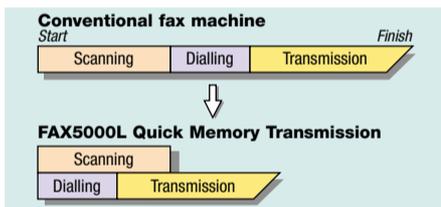
The standard 250-sheet paper capacity can be expanded to 1,250 sheets using the 500-sheet paper trays. These are practical options for workgroups with heavy incoming fax traffic, eliminating the need for frequent paper refills.

Impressive Input and Output Capacity

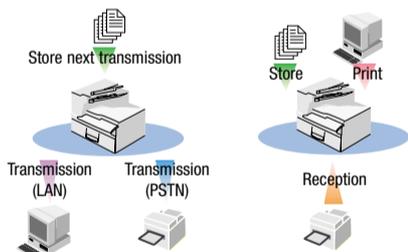
A built-in 50-page Automatic Document Feeder allows you to send multiple pages unattended, so even extra-long documents take a minimum of effort. The output tray can store up to 250 pages—sufficient capacity for large documents.

Fast 15 ppm Printing Speed

With its fast print speed of 15 pages per minute, important documents are in your hands faster than you ever thought possible.



Comparison of transmission time



Triple access

Aficio™ FAX5000L

Specifications

General

Type: Desktop Transceiver
Circuit: PSTN, PABX, ISDN (Option)
Compatibility: ITU (CCITT) Group 3 machines,
Group 4 (Option)

Document input size:
Length: 105 - 600 mm
Width: 148 - 297 mm
Thickness: 0.05 - 0.2 mm

ADF capacity: 50 sheets (80 g/m² paper)

Scanning method: CCD

Scanning width: 296 ± 1 mm (A3)

Resolution:

G3: 8 x 3.85 l/mm (Standard)
8 x 7.7 l/mm (Detail)
8 x 15.4 l/mm (Fine)

G4: 200 x 100 dpi (Standard)
200 x 200 dpi (Detail)

Memory capacity:

Standard: 2 MB = 168 pages

Optional: +2 MB = 336 pages

+4 MB = 504 pages

+40 MB = 1,200 pages

(3,000 pages when used in conjunction
with the Function Upgrade Card)

Compression method: MH/MR/MMR/
SSC/JBIG (Option)

Modulation: V34, V33, V17, V29,
V27ter (G3), V21 (G3), V8

Modem speed: 33,600/31,200/28,800/26,400/
24,000/21,600/19,200/16,800/14,400/
12,000/9,600/7,200/4,800/2,400 bps,
automatic fallback, 64 Kbps/56 Kbps (G4 option)

Transmission speed:

G3: 3 sec. (ITU-T No. 1 Chart
at standard resolution)

G4: 1.5 sec. (ITU-T No. 1 Chart
at standard resolution)

Printing system: Laser Printing System

Paper capacity:

Standard: 250 sheets

Optional: 500 sheets x 2
(500-sheet PFU)

Paper size: A3, A4, A5, F4, B4, Letter

Power supply: AC220 - 240 V, 50/60 Hz

Power consumption: Minimum 2 W

Maximum 900 W

Dimensions (W x D x H): 505 x 609 x 450 mm

(Front flow)

Weight: Approx. 26.5 kg

Options

- G3 Interface Unit Type 500
- Feature Expander Type 140 2 M (2 MB)
- Feature Expander Type 140 4 M (4 MB)
- Feature Expander Type 500 40 M (40 MB)
- Function Upgrade Card Type 140
- Fax-on-Demand Type 500
- Paper Feed Unit Type 500
- Printer Interface Type 500
- Network Interface Board Type 2000
- Memory Unit Type 204 (16 MB)
- Memory Unit Type 204 (32 MB)
- ISDN Interface Unit Type 500
- PC-Fax Expander Type 500
- NIC Fax Kit Type 500
- JBIG Unit Type 500
- Counter Type 100
- Marker Type 30
- Cabinet*

Other Features

- Personal Box
- 64 Quick/100 Speed Dials
- 9 Group Dials
- Polling Transmission/Reception
- Transfer Request
- Send Later
- Telephone Directory
- Auto Document
- Authorised Reception
- ITU-T Error Correction Mode (ECM)
- Restricted Access
- Closed Network
- Wild Cards
- Serial Broadcasting (200 destinations)
- Substitute Reception
- Memory Backup

- Centre Mark
- Chequered Mark
- Label Insertion
- AI Redial/Auto Redial
- Automatic Page Retransmission
- Keystroke Program
- Verification Stamp (Marker)
- Remote Diagnostic System
- User Function Registration
(Up to 5 functions)
- Super Smoothing
- TTI
- RTI
- Multi-polling Reception
- Memory Lock

* For availability check with your local dealer



Ricoh has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Ricoh believes in conserving the earth's precious natural resources. This brochure is printed on environmentally friendly paper.

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RICOH

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customer problems and moves toward a solution that influences the market with innovative digital technologies. Digital image processing, network connectivity and communications form the focus of every Aficio™ product.

Aficio™ comes from the Latin root "Aficio", which reflects Ricoh's creative concept of "commitment to customer satisfaction". Aficio™ embraces the meanings "manage", "handle", "move", and "influence". To manage customer satisfaction, Ricoh handles

Reduction of Communication Costs

Now you can connect your fax directly to your network. With the Aficio™ FAX5000L and Ricoh's new Internet Fax Option, you can send fax messages via the Internet. Or send paper documents directly to PC screens as attached e-mail documents. These valuable functions offer dramatic paper and communication cost savings. And bring your business communications into the era of networking efficiency. That's Ricoh's Internet/LAN Fax Option.

Internet Fax

With the Aficio™ FAX5000L Internet/LAN Fax you can transmit documents between two fax machines via the Internet. This function enables substantial savings in communication costs when transmitting to faraway places, such as overseas.

Fax with E-mail Address

The Aficio™ FAX5000L Internet/LAN Fax can be given an e-mail address, just like a PC. Internet transmission results in lower fax communication costs, especially when compared to conventional telephone circuits.

Inputting E-mail Addresses

Directly connecting the Aficio™ FAX5000L Internet/LAN Fax to your LAN environment enables you to transmit paper documents as an attached e-mail file. E-mail addresses can be input for direct transmission or memorised into Quick Dial/Speed Dial/Group Dial beforehand.

Convenient Functions

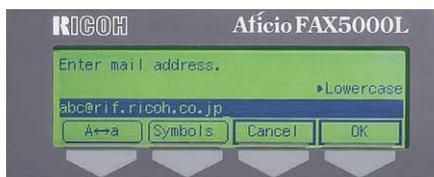
- Sending fax via Internet to reduce costs.
- Auto-routing of incoming faxes to a client PC. Documents can be received from a G3 fax and read as e-mail documents.

Can Be Used as a Network Scanner

When the Aficio™ FAX5000L Internet/LAN Fax is directly connected to LAN environment, notices or documents can be sent directly from fax to recipient's PC. The Aficio™ FAX5000L Internet/LAN Fax can be used as a simple scanner so you can send information to be shared instantly.

NIC FAX Monitor

This application allows the user to alter Quick/Speed Dial settings and check communication results from the PC. NIC FAX Monitor is a standard NIC FAX Application of the Internet Fax Option. Settings can only be changed in Administrator Mode.



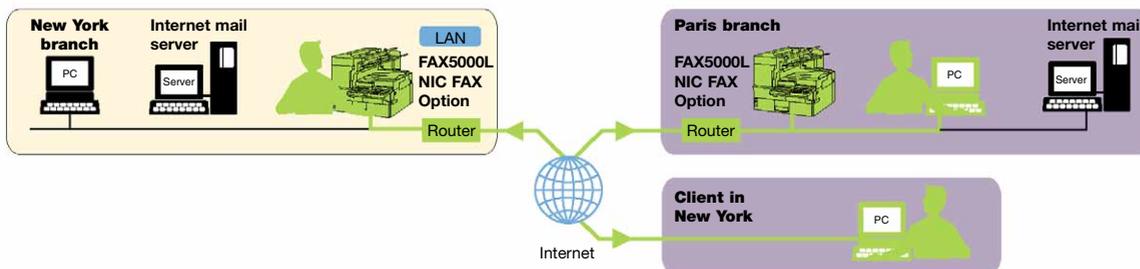
Directly input e-mail addresses



With NIC Fax Monitor you can check communication results and change Quick/Speed Dial settings from your PC.

View Received Fax Documents via PC

The IC Viewer software allows you to view the received document on your PC monitor. Received documents can be saved as e-mail files, then located and reviewed whenever needed. Moreover, this method of paperless reception reduces paper costs.



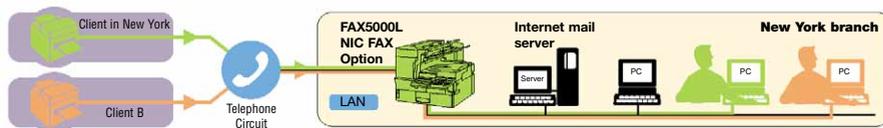
Receiving G3 Fax Documents via Your PC

Forwarding

Documents received from a given sender can be automatically forwarded to pre-registered e-mail addresses. Received documents can be checked on your PC as an e-mail with attachment. Up to 5 recipients can be registered and each recipient can register as many as 10 senders, up to a total maximum of 30 senders (50, with the function upgrade card).

By using Sub-address

Fax messages with a Sub-address can be automatically routed to a client PC with the same Sub-address. This means documents can be received from a G3 fax and read as e-mail documents. The handling of faxed messages as e-mail eliminates the risk of them being seen by others. Furthermore, it saves on paper costs and simplifies administration, enabling you to edit and print only required information, or delete unwanted information from your PC.



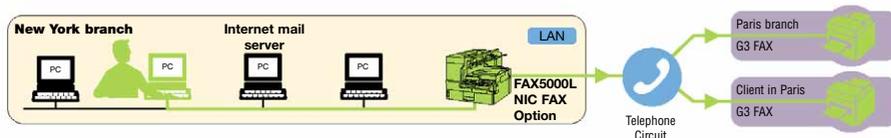
Sending a Fax Document from Your PC

Use as a PC Fax within Your Network

Using the NIC FAX Com Redirector application and widely available PC fax applications, you can send fax documents directly from any PC in your LAN network without having to connect to a modem or telephone circuit. This saves time printing out fax documents and then sending them by fax. This enables higher quality image transmissions.

Quick Dial Operation from PC

Numbers registered for Quick Dial/Speed Dial/Group Dial in the Aficio™FAX5000L Internet Fax are also easily accessed from your PC, enabling even faster fax transmissions directly from your PC.



Specifications

Aficio™FAX5000L Internet/LAN Fax

Applicable circuit:	Local Area Network (LAN) (Ethernet: 10 Base T/100 Base T)
Size of original:	A4 (A3/B4 is reduced into A4)
Resolution:	Standard: 200 x 100 dpi Detail: 200 x 200 dpi
Transmission speed:	100 M/10 Mbps max.
Transmission protocol:	Sending: SMTP protocol, TCP/IP transmission Receiving: POP3 protocol, TCP/IP transmission
E-mail file format:	Single/multi part MIME conversion
Attached file format:	TIFF-F (MH compression)/DCX
Sending e-mail:	When e-mail address is input, document is automatically converted into e-mail form and sent, memory sending only
Receiving e-mail:	Attached file format of TIFF-F(MH) or DCX is automatically recognised and printed out, memory receiving only

NIC FAX Application

NIC FAX Monitor:	Utility software for Internet/LAN FAX Option setting and status monitoring
NIC FAX Com Redirector:	Software to command PC fax to send to Aficio™FAX5000L Internet/LAN Fax by using PC fax application
NIC FAX Viewer:	Software for viewer to display/edit/save image sent from Aficio™FAX5000L Internet/LAN Fax

Operation Environment for NIC FAX Application

Hardware:	IBM® PC/AT compatible
CPU:	Operates at more than i486DX - 100 MHz
Memory:	More than 16 MB
Hard disk:	Rest memory capacity of more than 30 MB
OS:	Windows® 95/98/2000/NT 4.0
Display:	SVGA 640 x 480, more than 256 colours

A3 Printer with High Resolution

With the optional Printer Interface Type 500 and the Network Interface Board Type 2000, the Ricoh Aficio™ FAX5000L is positioned as a local or networked (shared) general purpose printer. As a network printer, the Ricoh Aficio™ FAX5000L is well suited to handle the demands of work groups or departments in medium to large businesses and organisations. The Aficio™ FAX5000L can be connected directly to PC's parallel port or to an Ethernet (10/100 Base T) network with the optional internal Network Interface Board to provide high-speed (15 ppm) and high-resolution (600 x 600 dpi) output. The Ricoh Aficio™ FAX5000L's Printer Interface provides support for all major operating systems and network protocols.

Efficient Printing

The Aficio™ FAX5000L can be turned into a convenient 15 ppm A4 Network Printer. After sending your job from your PC, you will not have to wait long for it to be completed.

A3 Printing

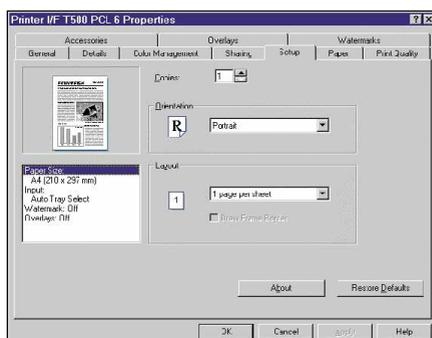
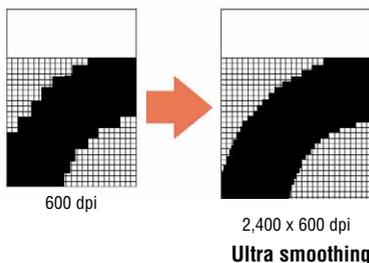
The Aficio™ FAX5000L is also capable of printing A3-size documents, which is unique in this print speed range.

High Image Quality

The Ultra Smoothing Technology – Ricoh's own image processing technology – enables you to dramatically reduce rigid parts of characters and images in case of printing. The Aficio™ FAX5000L achieves the high resolution of 2,400 x 600 dpi which ensures you best possible output.

Simple Manipulation

To meet today's new printing requirements the Aficio™ FAX5000L supports PCL5e and PCL6 as a standard and is compatible with Windows® 95/98/2000/NT 4.0. The default is set for optimised printing. If you want you can change paper settings, image quality, create an overlay or watermarks to better suit your printing requirements.



Simple manipulation by Windows®



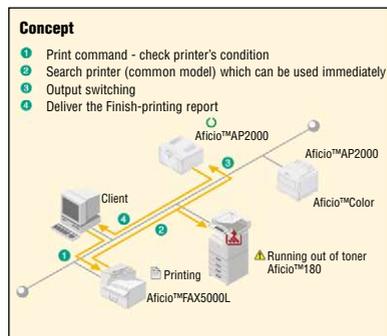
Printer I/F port

Network Capabilities

With the optional Network Interface Board Type 2000 you can connect the Aficio™ FAX5000L to an Ethernet (10/100 Base T) network which is compatible with multi-protocols, and suits any network environment, such as Windows® NT, Netware or Unix.



Finish-printing report



Recovery printing



Printer I/F port and Printer NIB port

Bundled Network Printer Utilities

A comprehensive package of printer management software comes bundled with the optional printer module. The Aficio™ Manager software for instance, will allow you to monitor and control the operational status of your network's printing activities. From prioritising print runs to checking paper supplies, all essential in-progress information can be accessed instantly from your desktop via a practical task bar interface. With Aficio™ Manager you can enjoy the benefit of easy management of your network printers in a user-friendly package. In addition, the driver also includes PortNavi™, a port status monitor software with Direct Print functionality, Recovery Printing functionality and Parallel Printing to notify users when an error occurs to any of the network printers. The optional Network Interface Board Type 2000 is needed to connect the Aficio™FAX5000L to the network.

Expandable Memory Capacity

The Aficio™FAX5000L standard printer memory of 8 MB RAM can be upgraded to 40 MB with standard SIMMs. You can choose from additional printer memories, 16 MB and 32 MB, to suit to your needs.

Specifications

Controller	
Processor:	133 MHz
Printer language:	PCL5e emulation standard PCL6 emulation standard
Resolution:	600 dpi (PCL6, PCL5e) 300 dpi (PCL5e)
Memory:	
Standard:	8 MB
Option:	16 MB and 32 MB SIMM
Fonts:	35 Intellifonts 10 TrueType fonts 1 Bitmap font Font Manager and 61 additional fonts available

Connectivity

Compatibility: Microsoft Windows® 95/98/2000/NT 4.0
Interface: Bi-directional IEEE 1284-compliant

Paper Handling

Paper size:
Bypass tray: Card - A3
Paper tray: A3/A4/B4/A5/F4/LT

Paper capacity:
Bypass tray: 1 sheet
Paper tray: 250 sheets

Network Interface

NIB: Optional Network Interface Board (10 Base T/100 Base TX automatic compatible)
Network Protocol: Optional Network Interface Board supports following protocols: TCP/IP, IPX/SPX
Management: Aficio™ Manager management utility for Windows® 95/98/NT 4.0/2000
The controller supports SNMP-MIBII & industry standard MIB (RFC1759)