

## HP LaserJet 8000 Series printers.

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### Technical Data

#### The new standard for departmental network printing.

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Continuing its tradition of offering practical, innovative network printing solutions, HP introduces HP LaserJet 8000 Series printers. They combine the latest technologies with exceptional performance to give you truly hassle-free network printing for medium to large departments.

What's more, HP LaserJet 8000 Series printers have new features that can provide outstanding output with a variety of media and paper-handling options, help improve performance while minimizing network traffic, and reduce your overall cost of ownership. Best of all, they come with something you can't get anywhere else—HP's unparalleled reputation for quality, reliability and compatibility.

For a complete network printing solution, HP JetDirect print servers provide connectivity for Fast Ethernet, Ethernet, Token Ring and LocalTalk environments, supplying cost-effective printer access to your entire department. And HP Web JetAdmin management software lets you remotely install, configure and proactively manage your printers from a common web browser—reducing your day-to-day support requirements.

It all adds up to the most hassle-free, easily managed network printing solution you can find for your department.

#### Spend less time on printer issues.

- Common technologies among HP LaserJet 4000, 5000 and 8000 Series printers
- Easy installation, configuration and management with HP Web JetAdmin
- Manual or automatic driver updates off the Internet
- Fewer help desk calls thanks to intuitive operations

#### Get optimum output, fast.

- RAM-based copying with dynamic RIP—once for fast, efficient multiple original prints (mopies) over your network
- 1200-dpi quality without the usual speed, memory and network congestion penalties
- Increased data throughput and faster processing
- 15-second first page out\*
- More efficient printing of large or complex jobs with 16 MB of standard memory (24 MB on HP LaserJet 8000 DN model)

#### Enhanced paper handling for increased productivity.

- Handles a wide range of paper sizes, up to 11 x 17 inches
- Offers straight-through paper path to prevent curling of heavier media and envelopes
- Variety of input and output sources reduces trips to the printer

\*Throughput is application- and system-dependent. Optimal performance achieved with the most current software application drivers, recommended memory and I/O configurations.

## Hassle-free network printing for your whole department.

Customize your HP LaserJet 8000 Series printer for your department with these quality HP accessories.



You can customize HP LaserJet 8000 Series printers for multiple original prints (mopies) with options like the 2,000 sheet high capacity input tray and 5-bin mailbox with stapler shown above.



Additional 2 x 500-sheet input tray gives you multiple input sources with a variety of media.



8-bin mailbox makes retrieving documents easy. Automatically sorts jobs into 8 bins with a capacity of 250 sheets each.



7-bin mailbox can fit right on a desk or tabletop. Automatically sorts job output into 7 bins with a capacity of 125 sheets each.



HP LaserJet 8000 Series printers come with three EIO interface slots, a bi-directional IEEE 1284-compliant parallel interface and an HP JetAssist connector so you can easily add HP and third-party paper handling accessories.



Optional envelope feeder lets users print up to 100 envelopes without reducing paper capacity.



Duplexer saves paper and money by letting you print up to 11 x 17 inch images on both sides of a page (standard on HP LaserJet 8000 DN model).



>1-GB EIO disk drive (shown above) and flash memory DIMMs provide expanded storage of forms, fonts and signatures.



HP JetDirect 600N Internal Print Servers connect printers to your network anywhere in the office and let you manage them remotely with HP Web JetAdmin printer management software.



Replacement toner cartridge contains microfine toner and prints 15,000 pages (based on 5% coverage).

Get more for your money—  
right out of the box.

### Easier Integration and Management

- HP Web JetAdmin provides simple installation, configuration and management from a common web browser
- HP Internet Installer and Oil Change for HP Customers give you automatic access to the latest printer drivers
  - HP PCL 5e, HP PCL 6 and PostScript Level 2 emulation ensure compatibility with both PC and Macintosh files

### Improved Performance

- 24-page-per-minute (ppm) engine and a new 133-MHz RISC processor mean less time spent waiting for your output
- 16 MB of standard memory lets you mopy and RIP-once in dynamic RAM
- Three 32-bit PCI-based Enhanced I/O (EIO) interface slots provide greater flexibility for HP JetDirect 600N Internal Print Servers and accessories

### Versatile Paper Handling

- Prints from 3.9 x 7.5 inch to 11 x 17 inch full-bleed for maximum versatility
- Large standard input capacity of 1,100 sheets reduces paper reloading
- Optional duplexer for two-sided printing (standard on HP LaserJet 8000 DN)
- Optional input sources (either one 2,000-sheet tray or 2 x 500-sheet tray) let you print on multiple paper sizes without swapping paper
- Straight-through paper path lets you use a wider variety of paper sizes and weights, and eliminates curling of heavier media and envelopes
- Multibin mailboxes with collation and stapling simplify complex jobs
- New 7-bin mailbox fits right on a desk or tabletop

### Expandable

- HP JetAssist connector lets you easily add third-party paper-handling accessories
- Up to three open EIO interface slots for HP JetDirect 600N Internal Print Servers and accessories
- Up to 192 MB of memory with DIMM memory modules
- HP JetSend allows direct communication between printers, scanners and other information appliances without using the PC as the intermediary

### Superior Print Quality

- HP FastRes 1200 prints 1200-dpi quality at the same speed as 600 dpi using standard memory

## How to choose the right HP LaserJet 8000 Series printer for your department.

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All three HP LaserJet 8000 Series printers feature innovative technologies that can significantly reduce printer interaction. To decide which one is right for your department, look through these descriptions.

### I need an expandable departmental printer.

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HP LaserJet 8000 printer

#### The HP LaserJet 8000 printer comes with:

- 24-page-per-minute engine and 133-MHz RISC processor for faster printing
- HP PCL 6 and PostScript Level 2 emulation to ensure compatibility
- RAM-based mcopying with dynamic RIP-once for faster multiple original printing, reduced network traffic and faster return-to-application times
- 16 MB standard RAM (memory expansion up to 192 MB)
- Improved drivers with intuitive interfaces and automatic Internet update capability
- HP Web JetAdmin or HP JetAdmin printer management software for easy installation and management
- Bidirectional IEEE 1284-compliant parallel interface
- Ability to print and duplex up to 11 x 17 inches
- 100-sheet multi-purpose tray (Tray 1) and 2 x 500-sheet input tray
- 2 open DIMM memory slots
- 3 EIO interface slots for HP JetDirect 600N Internal Print Servers and accessories

### I need a network-ready departmental printer.

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HP LaserJet 8000 N printer

#### In addition to all the features found on the HP LaserJet 8000 printer, the HP LaserJet 8000 N also comes with:

- 10/100Base-TX HP JetDirect 600N Internal Print Server

10/100Base-TX HP JetDirect 600N Internal Print Server

### I need a network-ready printer with advanced paper-handling capabilities.

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HP LaserJet 8000 DN printer

#### In addition to all the features found on the HP LaserJet 8000 printer, the HP LaserJet 8000 DN also comes with:

- 10/100Base-TX HP JetDirect 600N Internal Print Server
- 8 MB additional memory (24 MB total)
- Duplex assembly for printing on both sides of the page (up to 11 x 17 inches)

10/100Base-TX HP JetDirect 600N Internal Print Server

Duplexer

24 MB of memory

# Specifications.

## Speed and Throughput

- Up to 24-page-per-minute rated engine speed for letter documents
- 133-MHz RISC processor
- First page out in as little as 15 seconds\*
- RAM-based mopying with dynamic RIP-once to reduce network traffic and allow fast, efficient multiple original prints (mopies) over the network
- User-friendly graphical interface that is consistent with HP LaserJet 4000 and HP LaserJet 5000 Series printers
- Intuitive touch- and menu-driven selections as well as friendly graphical help buttons throughout the drivers

## Duty Cycle

- Up to 130,000 pages per month

## Resolution

- HP FastRes 1200 (1200-dpi quality) at engine speed
- 600 dpi
- 300 dpi
- Resolution Enhancement technology (REt)
- Optimized halftoning with up to 220 levels of gray
- Prints to within 1/8-inch from edge of page (full-bleed printing on oversized paper by trimming)

## Memory

### HP LaserJet 8000 and HP LaserJet 8000 N printers:

- 16 MB standard RAM with Memory Enhancement technology (MEt)
- Two open 100-pin DIMM slots for memory expansion up to 192 MB
- Sufficient standard memory to mopy and RIP-once in dynamic RAM

### HP LaserJet 8000 DN printer:

- 24 MB standard RAM with Memory Enhancement technology (MEt)
- Two open 100-pin DIMM slots with memory expansion up to 192 MB
- Sufficient standard memory to mopy and RIP-once in dynamic RAM

### All HP LaserJet 8000 Series printers:

- Optional >1-GB disk drive for storage of forms, fonts and signatures as well as mopy and RIP-once
- Optional 2 and 4 MB Flash DIMMs

## Printer Management

- HP Web JetAdmin printer management software available from HP's web site ([www.hp.com/go/webjetadmin](http://www.hp.com/go/webjetadmin)) for simple installation, configuration and management from a common web browser
- Enhanced HP JetAdmin printer management software provides easy printer setup, use and management
- Enhanced driver support of standard printer features for Microsoft® Windows NT® workstation 3.51/4 x, Microsoft® Windows® 95, Windows® 3.x, Macintosh, UNIX (HP-UX, Solaris SunOS, IBM OS/2 Warp and MS-DOS®)
- Internet Installer can automatically update any of the printer drivers in Windows 95 and Windows NT 3.51/4 x environments
- All printer software and driver utilities ship on one CD-ROM
- HP Toolbox utilities for Novell and Microsoft Windows NT
- SNMP- and industry-standard printer MIB-compliant for network management compatibility
- Bidirectional feedback on printing and printer status via HP Toolbox utility
- HP JetSend-enabled

## Connectivity

### HP LaserJet 8000 printer:

- Bidirectional, IEEE 1284-compliant parallel interface
- Three open EIO interface slots for HP JetDirect 600N Internal Print Servers and accessories

### HP LaserJet 8000 N printer:

- HP JetDirect 600N Internal Print Server for auto-sensing Fast Ethernet 10/100Base-TX networks
- Bidirectional, IEEE 1284-compliant parallel interface
- Two open EIO interface slots for HP JetDirect 600N Internal Print Servers and accessories

### HP LaserJet 8000 DN printer:








- HP JetDirect 600N Internal Print Server for auto-sensing Fast Ethernet 10/100Base-TX networks
- Bidirectional, IEEE 1284-compliant parallel interface
- Two open EIO interface slots for HP JetDirect 600N Internal Print Servers and accessories

### All HP LaserJet 8000 Series printers:

- HP JetSend-enabled. HP has developed device-to-device communication technology that enables communication between printers, scanners and a broad range of other information appliances
- Automatic switching between languages and ports
- HP Web JetAdmin and HP JetAdmin printer management software
- Optional HP JetDirect 600N Internal Print Servers for Fast Ethernet, Ethernet, Token Ring and LocalTalk environments

## Interface and Cable

- Parallel A to C cable supplied in the base
- Network models assume HP network connect (p/n C2946A) 3-meter cable—HP Vectra, IBM PC/AT and compatibles standard

 <p>Windows 95, Windows for Workgroups</p>	<h3>IPX/SPX</h3> <ul style="list-style-type: none"> <li>• Novell NetWare v3.11, 3.12, 4.0, 4.1</li> <li>• Novell NDS and NDPS</li> <li>• Microsoft Windows 95 Networking</li> <li>• Microsoft Windows NT 3.51, 4.0</li> </ul>
 <p>NetWare</p>	<h3>DLC/LLC</h3> <ul style="list-style-type: none"> <li>• IBM OS/2 Warp v3.0, 4.0</li> <li>• IBM OS/2 Warp Server v4.0</li> <li>• Microsoft Windows NT v3.51, 4.0               <ul style="list-style-type: none"> <li>• Microsoft Windows for Workgroups v3.1, 3.11</li> <li>• Artisoft LANtastic† v7.0</li> </ul> </li> </ul>
 <p>Windows NT</p>	
 <p>OS/2 Warp</p>	<h3>TCP/IP</h3> <ul style="list-style-type: none"> <li>• HP-UX v9.x (700 and 800 series), 10.x, 11.x</li> <li>• SunOS v4.1.3, 4.1.4</li> <li>• Solaris v2.3, 2.4, 2.5.x, 2.6</li> </ul>
 <p>UNIX</p>	<ul style="list-style-type: none"> <li>• IBM OS/2 Warp v3.0, 4.0</li> <li>• IBM OS/2 Warp Server 4.0</li> <li>• IBM AIX v3.2.5 and later</li> <li>• SCO UNIX® V/386† v3.2, 4.2, 5.0</li> <li>• Microsoft Windows NT v3.51, 4.0</li> <li>• Microsoft Windows 95 Networking</li> <li>• lpd</li> <li>• MPE-iX† 5.5</li> </ul>
 <p>Macintosh</p>	<h3>EtherTalk</h3> <ul style="list-style-type: none"> <li>• AppleTalk (System 7) (Ethernet cards only)</li> <li>• Apple LocalTalk (HP J3111A only, System 7)</li> </ul>

† Software is provided directly by the operating system vendor.

\*Throughput is application- and system-dependent. Optimal performance achieved with the most current software application drivers, recommended memory and I/O configurations.



# Specifications.

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## Paper Handling

- Up to five input sources with a total capacity of 3,100 sheets and 100 envelopes OR up to six input sources with a total capacity of 2,100 sheets and 100 envelopes
- Standard input capacity of 1,100 sheets (100-sheet Tray 1 and 2 x 500-sheet tray)
- Standard output capacity of 600 sheets (500 sheets face-down and 100 sheets face-up)
- "Output full" sensor (face-down bin and mailboxes)
- Straight-through paper path (face-up bin only)
- HP JetAssist connector for easy installation of paper-handling accessories
- Optional duplex printing assembly capable of handling 11 x 17 sheets (standard on HP LaserJet 8000 DN)
- Optional 2,000-sheet or 2 x 500-sheet input tray
- Optional 8-bin mailbox, 5-bin mailbox with stapler or 7-bin tabletop mailbox
- Optional 100-envelope power feeder

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## Printer Languages

- HP PCL 5e, HP PCL 6, PostScript Level 2 emulation
- Automatic language switching

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## Font Capabilities

- 80 scaleable TrueType® built-in with 65 additional scaleable typefaces on disk for Windows
- PostScript Level 2 emulation
- HP FontSmart software provides easy-to-use font management capabilities
- Intellifont and TrueType rasterizers built in
- Greek, Hebrew, Cyrillic, and Arabic fonts available for Europe
- Korean, Traditional and Simplified Chinese fonts available for Asia

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## Paper

- Copier, bond, special application, recycled paper and transparencies
- Standard paper tray #1: 60 to 199 g/m<sup>2</sup> (16 to 53 lb)
- Tray #2 and #3: 60 to 105 g/m<sup>2</sup> (16 to 28 lb)
- Optional 2,000-sheet tray: 60 to 105 g/m<sup>2</sup> (16 to 28 lb)
- Optional 2 x 500-sheet input device and duplexer: 60 to 105 g/m<sup>2</sup> (16 to 28 lb)
- Overhead transparencies and labels designed for laser printers using tray #1

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## Paper Types

- Tray #1: A3, A4, B/Ledger, maximum 11.7 x 17.7, B4, Letter, Legal, Executive, B5, Monarch
- Tray #2: A4, B4, Letter, Legal
- Tray #3: A4, B4, Letter, Legal, 11 x 17, A3
- Optional 2,000-sheet input tray: Letter, Legal, A4, B4, 11 x 17, A3
- Optional 2 x 500-sheet input (Tray #4: A4, B4, Letter, Legal; Tray #5: A4, B4, Letter, Legal, 11 x 17, A3)

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## Envelope Sizes

- #10 regular: 241 x 105 mm; 9.5 x 4.125 in (printable: 235 x 10 mm; 9.27 x 3.93 in)
- Monarch: 191 x 98 mm; 7.5 x 3.875 in (printable: 185 x 93 mm; 7.27 x 3.68 in)
- DL: 220 x 110 mm; 8.66 x 4.33 in (printable: 214 x 105 mm; 8.43 x 4.14 in)
- C5: 229 x 162 mm; 9.02 x 6.38 in (printable: 223 x 157 mm; 8.79 x 6.19 in)
- B5: 250 x 176 mm; 9.85 x 6.93 in (printable 244 x 171 mm; 9.62 x 6.74 in)

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## Print Orientation

- Portrait, landscape and reverse landscape

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## Control Panel

- Intuitive operation and complete easy-to-understand messages
- 2 x 16 backlit display with rocker switches to go forward or reverse through the menus
- Buttons: Job Cancel, Go, Menu, Item, Value, Select
- Indicators: Ready, Data, Attention
- Control panel can be locked through software
- Messages can be displayed in 17 languages: Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Spanish, Swedish, Turkish, Russian, Hungarian, Czech and Katakana

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## Internet

- HP Web JetAdmin printer management software for easy installation, configuration and management from a common web browser
- Internet Installer for easy downloading and updating of software
- Software utility for manual or automatic driver updates off the Internet
- Internet page set-up utility formats and prints Internet pages, polls the Internet for requested addresses and schedules printing of requested pages as required
- Internet software disk replication utility for distributing custom drivers

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## Environmental Ranges

### Temperature for printer and toner:

- Operating: 10° to 32.5° C (50° to 91° F)
- Storage: 0° to 35° C (32° to 95° F)

### Humidity for printer and toner:

- Operating: 20% to 80% RH.
- Storage: 10% to 95% RH

### Acoustics for printer and toner:

- Operator position: L<57 dB (A) printing, L<42 dB (A) standby (per ISO 9296, DIN 45635, T.19)
- Bystander 1m: L<51 dB (A) printing, L<37 dB (A) standby (per ISO 7779, DIN 45635, T.19)
- Sound Power: L=6.6 bels (A) printing, L=5.3 bels (A) standby (per ISO 9296)

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## Power Requirements

### Source:

- 100-120 volts (+/- 10%), 50/60 Hz (+/- 2 Hz)  
127 volts, 60 Hz NOM or 220-240 volts (+/- 10%), 50 Hz (+/- 2 Hz)  
220 volts (+/- 10%), 60 Hz (+/- 2 Hz)
- Printer's voltage ranges depend upon the country in which the printer is purchased

### Minimum circuit capacity:

- 100-127 volts @ 12.8 amps or 220-240 volts @ 5.8 amps

### Power Consumption:

- Printer with accessories = 550 watts printing, 150 watts standby, and 41 watts Powersave mode; Printer only = 505 watts printing, 140 watts standby, and 35 watts Powersave
- U.S. EPA Energy Star-qualified

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## Dimensions (H x W x D)

540 x 540 x 520 mm (21.3 x 21.3 x 20.5 in)

Weight (without toner cartridge or options): 45 kg (99 lb)

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## Product Certifications

UL/cUL listed to UL 1950 and CSA C22.2 No. 950; complies with IEC 950/EN 60950, FCC Class B certified, CISPR-22 level B, Product CDRH certified Class 1 Laser Product (safe for office/EDP use)

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## Warranty

One-year onsite warranty

\*Throughput is application- and system-dependent. Optimal performance achieved with the most current software application drivers, recommended memory and I/O configurations.

## Ordering information.

Number	Description
<b>Printers</b>	
C4085A	HP LaserJet 8000 general office printer for medium to large departments
C4086A	HP LaserJet 8000 N network-ready general office printer for medium to large departments
C4087A	HP LaserJet 8000 DN network-ready general office printer with duplex assembly
<b>Supplies and Accessories</b>	
C3909A	Replacement toner cartridge (prints 15,000 pages, based on 5% coverage)
C4780A	2 x 500-sheet multiple input tray
C4781A	2,000-sheet high-capacity input tray
C4782A	Duplex assembly for two-sided printing
C4783A	7-bin tabletop mailbox
C4784A	Stand for 7-bin mailbox
C4785A	8-bin mailbox
C4787A	5-bin mailbox with stapler
C3765B	Envelope feeder
C2975A	Printer cabinet
C2985A	>1-GB disk drive
H5494A	HP SupportPak for hardware services; 3-year, 4-hour, response onsite
<b>HP JetDirect 600N Internal Print Servers</b>	
J3110A	For Ethernet 10Base-T networks
J3111A	For Ethernet 10Base-T/10Base2 and LocalTalk networks
J3112A	For Token Ring networks
J3113A	For Fast Ethernet 10/100Base-TX networks (standard on HP LaserJet 8000 N and 8000 DN)
<b>Interfaces and Cables</b>	
C2946A	Parallel 3-meter cable A to C
C2947A	Parallel 10-meter cable A to C
<b>Memory</b>	
C4286A	2 MB Flash DIMM
C4287A	4 MB Flash DIMM
C4135A	4 MB EDO DIMM
C4136A	8 MB EDO DIMM
C4137A	16 MB EDO DIMM
C4140A	4 MB SDRAM DIMM
C4141A	8 MB SDRAM DIMM
C4142A	16 MB SDRAM DIMM
C4143A	32 MB SDRAM DIMM
C3913A	64 MB SDRAM DIMM

For more information, printer drivers and network printer management software, visit our HP LaserJet 8000 Series printer web site at [www.solutionjet.hp.com/lj8000](http://www.solutionjet.hp.com/lj8000)

Information about HP products, plus software and driver distribution, is available through Hewlett-Packard's home page on the World Wide Web: [www.hp.com](http://www.hp.com).

Hewlett-Packard peripherals, personal computers, supplies and accessories are available at authorized HP resellers worldwide. Call for the authorized HP reseller nearest you:

**United States:** (800) LASERJET (527-3753)

**Canada:** (800) 387-3867

**Asia Pacific** (852) 2599 7777

**Australia/New Zealand:** (61-3) 9272 2895

**Europe/Africa/Middle east:** (41) 22 780 8111

**Japan:** (03) 3331 6111

**Latin America:** (305) 267-4220 (Miami)

(525) 326-4044 (Mexico City)

If you have questions about HP LaserJet 8000 Series printers, there are a number of places you can turn to for answers:

- The HP Customer Support Center for fast assistance by telephone: (208) 323-2551\*.
- HP Automated Support Access Program (HP ASAP) provides answers and fax support for hardware and software information 24 hours a day: (800) 333-1917\*.
- HP Driver and Software Distribution for optional software solutions and printer drivers for most popular applications: (970) 339-7009\*.
- The HP Peripherals Forum on CompuServe ("GO HPPER") provides software and driver distribution, and puts you in contact with other HP printer users who may be able to give online responses to technical questions.
- AppleLink's HP folder provides online product information and drivers.

\* These services are based in the United States. Outside the U.S., call your HP regional office for information on country-specific support.

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As an Energy Star partner, Hewlett-Packard has determined that these products meet the Energy Star guidelines for energy efficiency.

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