



bizhub C450

CONNECT

COMMUNICATE

CONTROL



General Specifications:

TYPE:

Full-Color Printer/Copier/Scanner With Stationary Platen

PRINT/COPY PROCESS:

Tandem Process

IMAGING SYSTEM:

Simitri® Color Polymerized Toner

MONTHLY DUTY CYCLE:

125,000 pages

PRINT/COPY SPEED:

Full Color: 35 ppm (letter, portrait)
B&W: 45 ppm (letter, portrait)

SCAN SPEED:

Up to 38 opm

COPY RESOLUTION:

600 x 600 dpi

PRINT RESOLUTION:

600 x 600 dpi
(enhanced resolution: 600 x 1800 dpi)

HARD DISK DRIVE:

40 GB

GRADATION:

256 color shades per pixel

ORIGINAL SIZE:

Up to 11" x 17" (scanning/copying)
Up to 11" x 17" full-bleed on 12" x 18" paper (printing)

COPY SIZE:

Multi-Purpose Cassette: 4" x 6" to 12" x 18"
Universal Cassette: 5-1/2" x 8-1/2" to 11" x 17"
Multiple (Intelligent) Bypass: 4" x 6" to 12" x 18"

WARM-UP TIME:

Less than 99 seconds

FIRST COPY:

Full color: less than 8.5 seconds (letter)
B&W: less than 5.5 seconds (letter)

COPY QUANTITY:

1 - 999

COLOR MODES:

Auto Color, Full Color, Black & White, 2-Color, Single Color Mode

COPY EXPOSURE MODES:

Text (legible text)
Text/Photo (clear text and halftones)
Photo (optimized for gradations)
Map (fine edges and legible text)
Dot Matrix (dot matrix originals)
Copied Paper

FAXING (optional):

Super G3 compatibility;
JBIG data compression
33.6 Kbps modem speed
F-Code Support

DATA COMPRESSION:

MH, MR, MMR, JBIG

FAX TRANSMISSION SPEED:

Less than 2 seconds/page

FAX EXPOSURE MODES:

Text, Text/Photo, Photo, Dot Matrix

STANDARD PAPER SUPPLY:

250-sheet multi-purpose cassette
(16 lb. bond to 140 lb. index)
500-sheet universal cassette
(16 lb. bond to 140 lb. bond)
150-sheet bypass
(16 lb. bond to 140 lb. index)

MAXIMUM PAPER CAPACITY:

3,400 sheets (total, with options)

DOCUMENT FEEDER:

DF-601 Automatic Document Feeder
Paper Capacity: 100 sheets
Paper Size: 5-1/2" x 8-1/2" to 11" x 17"
Paper Weight: Single-sided:
10 lb. bond to 110 lb. index;
Double-sided: 13 lb. bond to 28 lb. bond

POWER REQUIREMENTS:

120 V, 60 Hz

POWER CONSUMPTION:

Less than 1.5 kW

DIMENSIONS (W x D x H):

C450: 27-3/4" x 30" x 35-3/4"
(standard configuration)

MAGNIFICATION:

Zoom range: 25% - 400%, 0.1% increments
Preset reduction: 79%, 73%, 65%, 50%
Preset enlargement: 121%, 129%, 155%, 200%

WEIGHT:

C450: 275 - 1/2 lbs.

OPTIONS:

DK-501 Copy Desk
EK-702 Parallel/USB 2.0 I/F Kit
FK-502 Fax Kit
FS-507 Staple Finisher
FS-603 Booklet Finisher
IC-402 Image Controller
JS-601 Option Tray (for FS-507 Staple Finisher)
MC-501 Mechanical Counter
MK-703 Enhanced Option Connection
MK-704 Fax Connection Kit
ML-501 Multi Line
PC-102 Paper Feed Cabinet (500 sheets)
PC-202 Paper Feed Cabinet (500 Sheets x 2)
PC-402 Large Capacity Tray (2,500 sheets)
PK-501 Punch Kit
(for FS-603 Booklet Finisher)
SA-501 Scan Accelerator Kit
SC-503 HDD Encryption Kit
VI-502 Video Interface Kit (for IC-402)

Available Print/Copy Functions*

Account Track (up to 1,000 accounts)
APS/AMS
Auto Duplex
Auto Reset
Auto Tray Switching
Bi-Directional Communication (Device Option Setting)
Box Function
(Store Copy Jobs, Print Jobs, Scans, Fax Data, Print Stored Data, Route Scanned Data)
Color Modes & Functions
Auto Color/Full Color
Black & White Mode
Single Color Mode
2-Color Mode
Color Adjustments (Brightness, Contrast, Saturation, Sharpness, Red, Green, Blue, Portrait, Hue Density, Color Balance, Copy Density)
Sample Copy

Copy Modes

(Simplex/Duplex, 2-in-1, 4-in-1, 8-in-one, Book Separation, Booklet Creation, Catalog Binding)

Cover Mode

Creative Functions

(Mirror Image, Image Repeat, XY Zoom, Image Centering, Base Color, Negative/Positive Reverse)

Criss-cross Sorting

Distribution Number Printing

Energy Save Mode

Enlarge Display

Erase (Frame, Book Frame, Book Center) Mode

Finishing (Group, Sort, Staple, Punch, Booklet Center-Fold & Staple, Center-Crease & Staple)

Form Overlay

Glossy Mode

HDD Random Erase

Image Adjustments

(Color Matching, Pure Black Auto ON/OFF, Color Balance, Screen Setting, Image Smoothing ON/OFF)

Image Density Adjustment (Density, Background: Removed)

Image Preview (Job Finishing Image Display, Engine Configuration Display)

Interrupt

Job List

Job Erase

Job Reserve

LDAP/up to 5 LDAP Servers/Global LDAP

OHP Interleaving

Mixplex, Mix-Media

Paper Size Selection (APS, Manual)

Paper Type Selection (Normal, Thick 1, Thick 2, Thick 3, OHP)

Program/Recall Jobs

Proof Print

Secure Printing

Separate Scan

Sleep Mode

Text Enhancement

User Authentication (Synchronize with Account Track)

User Box Function (Store Copy Jobs/Print Jobs/Scans/ Fax Data, Print Stored Data, Route Scanned Data)

Utility (Meter Count, Environment Setting, Default Setting, One-Touch Setting, Check Consumable Life, Admin. Mode)

Watermarks

Zoom Selection

(AMS, Fixed Zoom Ratio, User Programmable Zoom Ratio, Manual)

Available Scan Functions*

Scan-to-Email
Scan-to-FTP
Scan-to-SMB (Scan-to-Desktop)
Scan-to-HDD (Scan-to-User Box)
Network TWAIN

Available Fax Functions*

Autodialing (2,000 one-touch keys)
Auto Memory Reception
Auto Reduction Printing
Border Erase Transmission
Broadcasting (maximum 600 locations)
Bulletin Board
Density Adjustment
Duplex Transmission/Reception
Exposure Mode
(Text, Text/Photo, Photo, Dot Matrix)
Group Dialing
(up to 500 one-touches per group)
Image Rotation Transmission/Reception
Internet Faxing
IP Address Faxing
Mailbox (Private) Transmission/Reception
Reception
Memory/Quick Dial
Memory/ Transmission/Reception
Mixed Originals Transmission
Original Size Designation
Overseas Transmission
Password Transmission/Reception
PC Fax (PCL Driver only)
Polling Transmission/Reception
Priority Transmission
Program Dialing (400 programs)
Redial
Relay Broadcasting
Relay Transmission
Remote Reception
Secure Printing
Telephone/Fax Auto Transfer
Timer Transmission
TSI User Box
TSI User Box Routing

Emperon Print System

PROCESSOR:

600 MHz (PPC750FX)

RAM:

512 MB (standard; shared scan
and copier memory)

HARD DISK DRIVE:

40 GB (standard copier memory)

PAGE DESCRIPTION LANGUAGE:

PCL 5e/5c Emulation
PCL6 (XL version 2.1) Emulation
PS3 Emulation

FONTS:

PCL Resident Fonts:
80 outline + 1 bitmap
PS3 Emulation Resident Fonts:
136 outline

PRINT DRIVERS:

PCL6: Windows 98SE, ME, 2000/
XP/ 2003, NT 4.0 SP6
PS3 Emulation:
Windows 98SE/ME (PPD file),
2000/XP/2003/NT 4.0 SP6 (Print
Drivers),
Mac OS 9.2 or later,
Mac OS X 10.2,
Mac OS X 10.3, and
Mac OS X 10.4 (PPD files)

TWAIN DRIVER:

Windows 98SE, ME,
2000, XP, NT 4.0 SP6

INTERFACE:

Ethernet 10/100 BaseT
Parallel IEEE 1284 (optional)
USB 1.1, 2.0 (optional)

PROTOCOLS:

TCP/IP
IPX/SPX (NDS)
AppleTalk (EtherTalk)
LPR
SMB
LPD
NetBEUI
Pserver (Novell 4.x, 5, 6/NDS)
N Printer
NDPS
IPP 1.1
SMTP
POP3
LDAP
SSL
SNMP
HTTP 3.0

PAGESCOPE APPLICATIONS:

Network & Device Management (bundle):
HDD Backup Tool
PageScope Box Operator
PageScope Data Administrator
PageScope Direct Print
PageScope EMS Plug-Ins
PageScope Job Spooler
PageScope NDPS Gateway
PageScope Net Care
PageScope Network Setup
PageScope Print Status Notifier
PageScope Web Connection

OPTIONAL SOFTWARE:

PageScope Workware
PageScope Router

OTHER UTILITIES:

Plug-in for HP Web JetAdmin

Fiery® IC-402 Embedded Image Controller (option)*

PROCESSOR: Intel® Celeron® 2.0 GHz

OPERATING SYSTEM: Linux

HARD DISK DRIVE: 80 GB

MEMORY: 256 MB (standard);
512 MB (maximum)

PAGE DESCRIPTION LANGUAGE:

PCL 6, Adobe PostScript 3 (3017)

FONTS: PostScript Fonts: 136,
PCL Fonts: 80

PRINT DRIVERS:

Windows 98, 2000, 2003 XP, NT 4.0
Mac OS 8.6, 9.x
Mac OS X 10.1 and 10.2 (Classic mode)
Mac OS X 10.2.4 and later (Native mode)

INTERFACE: 10/100 BaseT, RJ45, USB 2.0

PROTOCOLS:

TCP/IP (Static IP, Auto IP, DHCP/BOOTP),
LPR, SMB, IPX/SPX (NDS), AppleTalk
(EtherTalk), HTTP, SNMP, IPP,
Port 9100, SMTP, POP3, LDAP,
SSL/TLS

UTILITIES:

ColorWise® Pro Tools 3.7
Command Workstation™ 4.2 (for Windows)
Command Workstation™ LE
(for Mac OS 10.2.4 and later)
Fiery® Downloader™
Fiery® Spooler™
Fiery® WebTools™ 3.0
Standard Spot-On Color Matching

OPTIONS:

256 MB Memory (upgrade, IC-602)
256 MB Memory (Banner Printing ;
Upgrade, Engine)
EFI Impose (v. 2.6)
EFI Densitometer (ED-100)
Graphic Arts Options: Hot Folders,
Auto Trapping
EFI Color Profiler Kit (ES-1000)
(Spectrophotometer with monitor
profiling software)
EFI Secure Erase

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



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