

WorkForce[®] Pro WF-8590 A3 MFP

PRINT | COPY | SCAN | FAX | ETHERNET | WIRELESS | PCL/PS

Powered by

PRECISIONCORE[®]



Multifunction

WorkForce Pro

A cost-effective, A3 multifunction printer to maximize workgroup productivity.

Powered by PrecisionCore[®] — the next generation of inkjet printing technology

Versatile media handling — prints up to 13" x 19"; up to 1830-sheet total paper capacity¹; features auto duplexing (print, copy, scan, fax) and auto media size detection

Fast print speeds — 24 ISO ppm (black), 24 ISO ppm (color)[†]

Built for the bottom line — up to 40 percent lower printing costs vs. color lasers²

Low intervention — print up to 7000 color pages without changing cartridges³

Duty cycle — up to 75,000 pages monthly⁴

Drivers and utilities — Universal printer driver; PCL⁵ and genuine Adobe[®] PostScript[®] 3™ support

Security features — PIN number certification for job release; user control access, printer and network settings via Web Config with printer's IP address; SSL/TLS security, IPsec

Built-in connectivity — includes Ethernet, USB, wireless b/g/n⁶ and Wi-Fi Direct^{®6}; easily print from tablets and smartphones⁷, including remote printing and access to Cloud

Enabled for remote printer data collection — compatible with MPS software solutions from PrintFleet[®], ECI (FMAudit[®]) and others

Designed for use exclusively with Epson[®] cartridges.*



Print

Printing Technology PrecisionCore 4S printhead 4-color inkjet
Printer Language Epson ESC/P®-R, PCL 5 emulation⁵, PCL 6 emulation⁶, PostScript 3
Maximum Print Resolution 4800 x 1200 optimized dpi
ISO Print Speed* Black 24 ISO ppm / Color 24 ISO ppm
Two-Sided ISO Print Speed* Black 16 ISO ppm / Color 16 ISO ppm
Maximum Draft Print Speed** Black 34 ppm / Color 34 ppm
Minimum Ink Droplet Size 3 droplet sizes, as small as 3.7 picoliters
Duty Cycle* Up to 75,000 pages (Recommended monthly page volume: up to 5000 pages)

Copy

ISO Copy Speed*** Black 22 ISO cpm / Color 21 ISO cpm
Copy Quality Color/Black-and-White: Standard/Best
Copy Quantity 1 – 999 (PC-free)
Maximum Copy Size 11" x 17"
Copy Features Auto 2-sided, Preview, Resize, Collate, Adjustable Copy Density

Scan

Scanner Type Color flatbed/Auto 2-sided ADF
Photoelectric Device Color/CIS line sensor
Scanned Size 17.5" x 12"
Optical Resolution 1200 dpi
Hardware Resolution 1200 x 2400 dpi
Maximum Resolution 9600 x 9600 dpi interpolated
Scanner Bit Depth 30-bit color input / 24-bit color output
Scan Features Scan to PC via Document Capture Pro, Scan to Cloud⁴ (including email), Memory Device, Password Protected PDFs, Address book via LDAP

Fax

Black-and-white and Color
 Modem: 33.6 Kbps – as fast as 3 sec per page
 Memory: Up to 550 pages
 Speed dials: 200 (max.)
 PC-Fax

Security

Security Features
 PIN number certification for job release, user control access, printer and network settings via Web Config using printer's IP address, SSL/TLS security, IPsec

Connectivity

Standard Connectivity
 Hi-Speed USB (compatible with USB 2.0 specification)
 Wireless LAN IEEE (802.11 b/g/n)⁶
 Wired Ethernet (1000 Base-T/100 Base-TX/10 Base-T)
 Wi-Fi Direct⁶

Connectivity (continued)

Network Protocols
 TCP/IP v4/v6
Network Printing Protocols
 IPP, LDP, Port 9100, WSD
Network Management Protocols
 SNMP, HTTP, DHCP, BOOTP, APIPA, DDNS, mDNS, SNT, Ping, SLP, WSD, LLTD
WLAN Security
 WEP 64 Bit, WEP 128 Bit, WPA PSK (AES)
Operating Systems Windows® 10, Windows 8.x (32-bit, 64-bit), Windows 7 (32-bit, 64-bit), Windows Vista® (32-bit, 64-bit), Windows XP SP3 (32-bit), Windows XP Professional x64 Edition, Windows Server® 2012 R2⁹, Windows Server 2012⁹, Windows Server 2008 R2⁹, Windows Server 2008⁹, Windows Server 2003 R2⁹, Windows Server 2003⁹, Mac OS® X 10.5.8 – 10.11.x¹⁰
 Mac OS X Server¹⁰

Mobile Printing

Epson Connect™ Epson Email Print, Epson iPrint™ Mobile App, Epson Remote Print
Other Apple® AirPrint™, Google Cloud Print™, Fire™ OS

Paper Handling

PC-free Paper Support 3.5" x 5", 4" x 6", 5" x 7", Letter, Legal, 11" x 17", A3, A4, A5, A6, B5
Maximum Paper Size 13" x 47.5"
Paper Sizes 3.5" x 5", 4" x 6", 5" x 7", 8" x 10", 8.5" x 11", 8.5" x 14", A3, A4, A5, A6, B4, B5, half letter, executive, 11" x 17", 13" x 19", user definable (3.5" – 47.2" in length)
Paper Types Plain paper, Epson Bright White Paper, Epson Presentation Paper Matte, Epson Premium Presentation Paper Matte, Epson Premium Presentation Paper Matte Double-sided, Epson Photo Paper Glossy, Epson Premium Photo Paper Glossy, Epson Ultra Premium Photo Paper Glossy, Epson Premium Photo Paper Semi-gloss, Epson Ultra Premium Photo Paper Luster
Envelope Types No. 10; plain paper, bond paper, air mail
Input Paper Capacity
 250 sheets plain paper (250 sheets plain paper x 1 tray)
 Rear tray: 80 sheets
 (1830 sheets total with three optional 500-sheet paper trays)
 10 envelopes
 Auto Document Feeder: 50 sheets

General

Display 5" color touchscreen
Temperature
 Operating: 50 ° to 95 °F (10 ° to 35 °C)
 Storage: -4 ° to 104 °F (-20 ° to 40 °C)
Relative Humidity
 Operating: 20 – 80%
 Storage: 5 – 85% (no condensation)
Sound Level
 Power 6.8 dB(A)
 Pressure 52 dB(A)

General (continued)

Rated Voltage AC 100 – 240V Universal (Automatic)
Rated Frequency 50 – 60 Hz
Rated Current 1.2A – 0.6A
Power Consumption
 Approx. 39 W ISO 24712 (Standalone copy printing)
 Approx. 17 W (Standby)
 Approx. 2.4 W (Sleep)
 Approx. 0.4 W (Power off) ENERGY STAR® qualified
Typical Energy Consumption (TEC)** 0.577 kWh
Safety Approvals
 Safety standards UL60950, CSA C22.2 No. 60950
 EMI FCC Part 15 subpart B class B, CAN/CSA-CEI/IEC CISPR 22 class B
Telecom Regulations FCC Part 68 (U.S.A.), IC/CS03 (Canada)
Country of Origin Indonesia
Weight and Dimensions (W x D x H)
 Printing: 22.3" x 35.5" x 22.1"
 Storage: 22.3" x 22.4" x 18.3"
 Weight: 77.8 lb
What's in the Box Epson WorkForce Pro WF-8590 multifunction printer, power cord, DURABrite® Pro Ink cartridges¹² – Four 748 series ink cartridges: Black, Cyan, Magenta, Yellow
Software Included¹³ Epson printer driver, PCL 5 driver emulation⁵, PCL 6 driver emulation⁶, PostScript 3, Document Capture Pro
Warranty One-year limited warranty in the U.S. and Canada

Ink

Ink Type DURABrite Pro pigment ink (smudge, fade and water resistant)
Ink Palette Cyan, Magenta, Yellow and Black
Ink Cartridge Configuration Four individual ink cartridges
Fade Resistance / Print Longevity¹⁴ Up to 118 years
Replacement Ink Cartridges¹²
 748 Standard-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 2500, Color: 1500)
 748XL High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 5000, Color: 4000)
 748XXL Extra High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 10,000, Color: 7000)

Printer is designed for use with Epson cartridges only, not third-party cartridges or ink. www.epson.com/cartridgereturn

Eco Features

Uses up to 70% less power than laser printers¹⁵
 Save up to 50% of your paper supply with auto 2-sided printing
 ENERGY STAR qualified
 RoHS compliant
 Recyclable product¹⁶
 Epson America, Inc. is a SmartWaySM Transport Partner¹⁷

Ordering Information

WorkForce Pro WF-8590	C11CD45201
Optional 500-sheet paper cassette	C12C817061
Optional cabinet	C12C847261
Maintenance box	T671200

*This product uses only genuine Epson-brand cartridges. Other brands of ink cartridges and ink supplies are not compatible and, even if described as compatible, may not function properly.

† Black and color print speeds are measured in accordance with ISO/IEC 24734. Actual print times will vary based on system configuration, software, and page complexity. For more information, visit www.epson.com/printspeed | †† Maximum print speeds are measured with text patterns in Draft Mode on plain paper. Actual print times will vary based on system configuration, software, and page complexity. | ††† Black and color copy speeds are determined in accordance with ISO/IEC 29183. Actual copy times will vary based on system configuration and page complexity. For more information, visit www.epson.com/copyspeed | 1 With optional paper trays. | 2 Compared with A3 color laser printers priced at \$1999 (USD) or less as of November 2014. Calculation based on continuous printing with highest-capacity cartridges. Actual savings will vary based on print task and use conditions. | 3 748XXL Black cartridge prints about 10,000 ISO pages. 748XXL color cartridges print about 7000 ISO pages on average. Actual number of pages will vary. | 4 Monthly duty cycle up to 75,000 is the highest duty a user could expect in a month, based on near-constant operation of a device of this kind. It is not recommended that the device be run at this duty. For best device performance, run the device at the recommended duty of 5000 pages per month. | 5 Not all media types are supported for PCL printing. | 6 Wi-Fi CERTIFIED™; level of performance subject to the range of the router being used. Wi-Fi Direct may require printer software. | 7 Most features require an Internet connection to the printer, as well as an Internet- and/or email-enabled device. For a list of Epson Connect enabled printers and compatible devices and apps, visit www.epson.com/connect | 8 Scan to cloud requires an internet connection, a free Epson Connect account and a destination email address or cloud storage account. For a list of supported cloud services, visit www.epson.com/connect | 9 Only printing and scanning are supported under Windows Server OS. | 10 Some applications and/or functions may not be supported under Mac OS X. | 11 Based on ENERGY STAR TEC measurement methodology; 288 prints/day; actual electricity consumption may vary depending on printer use. For more information, see www.energystar.gov | 12 Replacement cartridge yields are based on ISO/IEC 24711 tests in Default Mode printing continuously. Cartridge yields vary considerably for reasons including images printed, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly with one ink color. All ink colors are used for printing and printer maintenance, and all colors have to be installed for printing. For print quality, part of the ink from the included cartridges is used for printer startup and a variable amount of ink remains in the cartridges after the "replace cartridge" signal. For details, see www.epson.com/cartridgeinfo | 13 Internet access is required to install OS X® drivers and software. | 14 Display permanence based on accelerated testing of prints displayed under glass in indoor display conditions; album permanence based on accelerated testing of prints in dark storage conditions. Actual print stability will vary according to media, printed image, display conditions, light intensity, temperature, humidity and atmospheric conditions. Epson does not guarantee the longevity of prints. For maximum print life, display all prints under glass or UV filter or properly store them. | 15 Compared to best-selling single and multifunction color laser printers priced at \$1999 (USD) or less as of November 2014. Actual power savings will vary by product model and usage. | 16 For convenient and reasonable recycling options, visit www.epson.com/recycle | 17 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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