

WorkForce® Pro WF-6590

Print | Copy | Scan | Fax | Ethernet | Wireless | PCL/PS



Multifunction

Workgroup

A fast, cost-effective multifunction printer for workgroup productivity.

Cost savings — up to 50 percent lower printing costs vs. color lasers¹

Low intervention — print up to 7,000 black/color pages without changing cartridges²

Epson's fastest office multifunction printer — 24 ISO ppm (black), 24 ISO ppm (color)[†]

Versatile media handling — fast auto duplexing (print, copy, scan, fax); up to 1,580-sheet total paper capacity³

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

Pro-quality documents — long-lasting results with DURABrite® Pro cartridges

Drivers and utilities — remote printing and cloud access with universal printer driver; PCL⁴ and PostScript® 3™ support

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

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

Duty cycle — up to 75,000 pages monthly⁵

Designed for use exclusively with Epson cartridges.*



Print

Printing Technology PrecisionCore 4S printhead 4-color inkjet
Printer Language Epson ESC/P[®]-R, PCL 5 emulation[†], PCL 6 emulation[†], PostScript 3
Maximum Print Resolution 4800x1200 optimized dpi
ISO Print Speed[†] Black 24 ISO ppm/Color 24 ISO ppm
2-Sided ISO Print Speed[†] Black 16 ISO ppm/Color 16 ISO ppm
Maximum Draft Print Speed^{††} Black 34 ppm/Color 34 ppm
Min. Ink Droplet Size 3 droplet sizes, as small as 3.7 picoliters
First Page Out Time[‡] 7 sec
First Set Out Time[‡] 14 sec
Monthly Duty Cycle[§] Up to 75,000 pages (Recommended monthly page volume: up to 5,000 pages)

Copy

ISO Copy Speed^{†††} Black 22 ISO cpm / Color 21 ISO cpm
First Copy Out Time[‡] 7 sec
Copy Quality Color/Black-and-White: Standard/Best
Copy Quantity 1 – 999 (PC-free)
Maximum Copy Size 8.5" x 14"
Copy Features Auto 2-sided, Preview, Resize, Collate, Adjustable Copy Density

Scan

Scanner Type Color flatbed/Auto 2-sided ADF
Photoelectric Device ColorCIS line sensor
Scanbed Size 8.5" x 14"
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 Cloud⁷ (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[§]
 Wired Ethernet (1000 Base-T/100 Base-TX/10 Base-T)
 Wi-Fi Direct[®]
 NFC[§]
Network Protocols TCP/IP v4/v6
Network Printing Protocols IPP, LDP, Port 9100, WSD

Connectivity (continued)

Network Management Protocols SNMP, HTTP, DHCP, BOOTP, APiPA, DDNS, mDNS, SNTIP, 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 R2¹⁰, Windows Server 2012¹⁰, Windows Server 2008 R2¹⁰, Windows Server 2008¹⁰, Windows Server 2003 R2¹⁰, Windows Server 2003¹⁰, Mac OS[®] X 10.6.x – 10.11.x¹¹, Mac OS X Server¹¹

Mobile Printing

Epson Connect[™]¹² Epson Email Print, Epson iPrint[™] Mobile App, Epson Remote Print
Other Apple[®] AirPrint[®], Google Cloud Print[™], Fire[™] OS

Paper Handling

PC-free Paper Support Plain (Letter, Legal, A4), Photo (4" x 6", 5" x 7", 8" x 10", 8.5" x 11", A4)
Maximum Paper Size 8.5" x 47.2"
Paper Sizes 3.5" x 5", 4" x 6", 5" x 7", 8" x 10", 8.5" x 11", 8.5" x 14", A4, A6, half letter, executive, user definable (3.5" – 47.2" in length)
Paper Types Plain paper, Bright White Pro Paper, Bright White Premium Paper, Multipurpose Plus Paper, Presentation Paper Matte, Premium Presentation Paper Matte, Premium Presentation Paper Matte Double-sided, Photo Paper Glossy, Premium Photo Paper Glossy, Ultra Premium Photo Paper Glossy, Premium Photo Paper Semi-gloss, Ultra Premium Photo Paper Luster
Envelope Types No. 10; plain paper, bond paper, air mail
Input Paper Capacity 500 sheets plain paper (500 sheets plain paper x 1 tray) Rear feed: 80 sheets (1,580 sheets total with two optional 500-sheet paper trays) 10 envelopes Auto Document Feeder: 50 sheets

General

Display 4.3" 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 6.5 dB(A)
 Pressure 50 dB(A)
Rated Voltage AC 100 – 240V Universal (Automatic)
Rated Frequency 50 – 60 Hz
Rated Current 1.2A – 0.6A
Power Consumption
 Approx. 36 W ISO 24712 (Standalone copy printing)
 Approx. 17 W (Standby)
 Approx. 2.7 W (Sleep)
 Approx. 0.5 W (Power off) ENERGY STAR[®] qualified

General (continued)

Typical Energy Consumption (TEC)¹³ 0.6 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: 20.3" x 29.8" x 21.3"
 Storage: 20.3" x 20.6" x 20.2"
 Weight: 68.3 lb

What's in the Box

Epson WorkForce Pro WF-6590 multifunction printer, power cord, DURABrite Pro Ink cartridges² – Four 748 series ink cartridges: Black, Cyan, Magenta, Yellow
Software Available¹⁴ Epson printer driver, PCL 5 driver emulation⁴, PCL 6 driver emulation⁴, PostScript 3, Document Capture Pro
Warranty¹⁵ 2-year limited warranty in the U.S. and Canada

Ink

Ink Type DURABrite Pro pigment ink
Ink Palette Cyan, Magenta, Yellow and Black
Ink Cartridge Configuration Four individual ink cartridges
Replacement Ink Cartridges²
 748 Standard-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 2,500, Color: 1,500)
 748XL High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 5,000, Color: 4,000)
 748XXL Extra High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 10,000, Color: 7,000)
Initial Ink Cartridge Yield² 2,000 Black, 1,000 CMY
 Printer is designed for use with Epson cartridges only, not third-party cartridges or ink.*

Eco Features

Uses up to 70% less power than laser printers¹⁶
 Save up to 50% of your paper supply with auto 2-sided printing ENERGY STAR qualified
 RoHS compliant
 Recyclable product¹⁷
 Epson America, Inc. is a SmartWay[®] Transport Partner¹⁸

Ordering Information

WorkForce Pro WF-6590	C11CD49201-MA
Optional 500-sheet paper cassette tray	C12C932011
Optional cabinet	C12C932681
Ink Maintenance box	T671200

Epson PreferredSM Plus Extended Service Plans

Year 2 Upgrade to Premium	EPPDSKD1U ¹⁹
1 Year Extension - Standard	EPPDSKD1R ¹⁹
1 Year Extension - Premium	EPPDSKD1A ¹⁹

*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 or at all.

† 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 Compared with best-selling color laser printers priced at \$699 (USD) or less as of June 2015. Calculation based on continuous printing with highest-capacity cartridges. Actual savings will vary based on print task and use conditions. | 2 748XXL Black cartridge prints about 10,000 ISO pages. 748XXL color cartridges print about 7,000 ISO pages on average. 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 | 3 With optional paper trays. | 4 Not all media types are supported for PCL printing. | 5 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 5,000 pages per month. | 6 FPOT is measured on letter-size paper in accordance with ISO/IEC 29183. | 7 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 | 8 Wi-Fi CERTIFIED[™]; level of performance subject to the range of the router being used. Wi-Fi Direct may require printer software. | 9 NFC requires use of a device that includes NFC, and may require additional software. | 10 Only printing and scanning are supported under Windows Server OS. | 11 Some applications and/or functions may not be supported under Mac OS X. | 12 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 | 13 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 | 14 Internet access is required to install OS X[®] drivers and software. | 15 As of October 1, 2019, this product comes with a standard 2-year limited warranty. Please visit www.epson.com/support for more details. | 16 Compared to best-selling color lasers priced at \$600 (USD) or less as of May 2015. Actual power savings will vary by product model and usage. | 17 For convenient and reasonable recycling options, visit www.epson.com/recycle | 18 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | 19 See limited warranty or individual service plan for details.

Epson America, Inc. 3131 Katella Ave., Los Alamitos, CA 90720	Epson Canada Limited 185 Renfrew Drive, Markham, Ontario L3R 6G	www.epson.com www.epson.ca
---	---	---

Specifications and terms are subject to change without notice. EPSON, Epson ESC/P, PrecisionCore and WorkForce are registered trademarks, EPSON Exceed Your Vision is a registered logomark and Epson Connect, Epson iPrint and Epson PrecisionCore Heat-Free Technology are trademarks of Seiko Epson Corporation. DURABrite is a registered trademark and Epson Preferred is a service mark of Epson America, Inc. Apple, AirPrint, Mac OS and OS X are trademarks of Apple Inc., registered in the U.S. and other countries. Google Cloud Print is a trademark of Google LLC. Wi-Fi Direct[®] is a registered trademark and Wi-Fi CERTIFIED[™] is a trademark of Wi-Fi Alliance[®]. SmartWay is a registered trademark of the U.S. Environmental Protection Agency. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2020 Epson America, Inc. Com-SS-Oct-13 CPD-51022R2 8/20