

# 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 lasers<sup>1</sup>

**Low intervention** — print up to 7,000 black/color pages without changing cartridges<sup>2</sup>

**Epson's fastest office multifunction printer** — 24 ISO ppm (black), 24 ISO ppm (color)<sup>†</sup>

**Versatile media handling** — fast auto duplexing (print, copy, scan, fax); up to 1,580-sheet total paper capacity<sup>3</sup>

**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; PCL<sup>4</sup> 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 monthly<sup>5</sup>

*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<sup>†</sup>, PCL 6 emulation<sup>†</sup>, PostScript 3  
**Maximum Print Resolution** 4800x1200 optimized dpi  
**ISO Print Speed<sup>†</sup>** Black 24 ISO ppm/Color 24 ISO ppm  
**2-Sided ISO Print Speed<sup>†</sup>** Black 16 ISO ppm/Color 16 ISO ppm  
**Maximum Draft Print Speed<sup>††</sup>** Black 34 ppm/Color 34 ppm  
**Min. Ink Droplet Size** 3 droplet sizes, as small as 3.7 picoliters  
**First Page Out Time<sup>‡</sup>** 7 sec  
**First Set Out Time<sup>‡</sup>** 14 sec  
**Monthly Duty Cycle<sup>§</sup>** Up to 75,000 pages (Recommended monthly page volume: up to 5,000 pages)

## Copy

**ISO Copy Speed<sup>†††</sup>** Black 22 ISO cpm / Color 21 ISO cpm  
**First Copy Out Time<sup>‡</sup>** 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  
**Scanned 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 Cloud<sup>7</sup> (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)<sup>§</sup>  
Wired Ethernet (1000 Base-T/100 Base-TX/10 Base-T)  
Wi-Fi Direct<sup>®</sup>  
NFC<sup>§</sup>  
**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, 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 R2<sup>10</sup>, Windows Server 2012<sup>10</sup>,  
Windows Server 2008 R2<sup>10</sup>, Windows Server 2008<sup>10</sup>,  
Windows Server 2003 R2<sup>10</sup>, Windows Server 2003<sup>10</sup>,  
Mac OS® X 10.6.x – 10.11.x<sup>11</sup>, Mac OS X Server<sup>11</sup>

## Mobile Printing

**Epson Connect™<sup>12</sup>** 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)<sup>13</sup>** 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 cartridges<sup>2</sup> – Four 748 series ink cartridges: Black, Cyan, Magenta, Yellow  
**Software Available<sup>14</sup>** Epson printer driver, PCL 5 driver emulation<sup>†</sup>, PCL 6 driver emulation<sup>†</sup>, PostScript 3, Document Capture Pro  
**Warranty<sup>15</sup>** 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 Cartridges<sup>2</sup>**  
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 Yield<sup>2</sup>** 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 printers<sup>16</sup>  
Save up to 50% of your paper supply with auto 2-sided printing  
ENERGY STAR qualified  
RoHS compliant  
Recyclable product<sup>17</sup>  
Epson America, Inc. is a SmartWay® Transport Partner<sup>18</sup>

## Ordering Information

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

## Epson Preferred<sup>SM</sup> Plus Extended Service Plans

|                             |                         |
|-----------------------------|-------------------------|
| Year 2 Upgrade to Premium   | EPPDSKD1U <sup>19</sup> |
| 1 Year Extension - Standard | EPPDSKD1R <sup>19</sup> |
| 1 Year Extension - Premium  | EPPDSKD1A <sup>19</sup> |

\*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. †† 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](http://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](http://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](http://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](http://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](http://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](http://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](http://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.

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