

WorkForce® ES-590W Wireless Desktop Color Duplex Document Scanner



Scanners

Documents

Powerfully productive.

Our Most Productive Desktop Scanner — AI-ready scans¹; color touchscreen; fast double-sided scanning at up to 45 ppm²; 100-sheet Auto Document Feeder; Wi-Fi®

Epson ScanSmart®³ AI Technology — Intelligently converts your documents into smart, AI-ready data¹, optimized for use by the latest AI applications

Large 4.3" Color Touchscreen — For ScanWay computer-free scanning directly to email accounts⁴, cloud storage⁵ or connected USB flash drives⁶

Modern Wi-Fi Scanning — Built-in wireless connectivity for fast, reliable and secure WPA2 scanning from your computer or mobile device

12x Faster Double-Sided Scanning⁷ — Single-step technology quickly captures both sides of a document in a single pass at up to 45 ppm²

ARM-Based Windows Support — Built for the newest wave of AI-powered Windows devices

Smart Auto Document Feeder — TrueFeed™ technology handles up to 100 pages of mixed sizes, with skew correction and staple protection for reliable operation

Powerful File Management — Scan documents directly to PDF⁸, Word⁹ and Excel^{®9} files and more, supporting virtually any document workflow

Mobile-Friendly — Epson Smart Panel® app¹⁰, for iOS® and Android® devices, lets you scan, organize and share files directly from your mobile device

High-Resolution Optics — HyperClear™ technology produces enhanced scans of each page, including auto cropping, blank page removal and more

TWAIN-Compatible — Standardized driver technology for direct scanning into various applications for enhanced workflow integration and future-proofing

From the #1 Best-Selling Retail Scanner Brand¹¹ — Backed by Epson's 1-year limited warranty, including full unit replacement and free technical support



Source: Circana, LLC, Retail Tracking Service, US & Canada, Scanners, Dollar & Unit Sales, February 2025 – January 2026.

Specifications

Type Sheet-fed, 1-pass duplex color scanner
Sensor Type Color Contact Image Sensor (CIS)
Light Source 3-color RGB LED
Optical Resolution 600 dpi
Maximum Interpolated Resolution 1200 dpi
Color/Grayscale Scan Mode (Bit Depth)
 30-bit input/24-bit output
Buttons Double-Feed Detect, Skip, Slow Scan Mode, Scan, Stop, Wireless Connect, Wireless On/Off
Auto Document Feeder
 Capacity: 100 sheets paper
 Document Size:
 Minimum: 2" x 2"
 Maximum: 8.5" x 240" at 200 dpi
 Maximum: 8.5" x 215" at 300 dpi
 Maximum: 8.5" x 53" at 600 dpi
 Paper Weight: 27 g/m² – 413 g/m²
Scan Speed (Letter Size)²
 45 ppm/90 ipm: 300 dpi Black-and-White, Color, Gray
Connectivity Wireless 802.11a/b/g/n/ac, SuperSpeed USB 3.0
Peak Daily Duty Cycle¹⁴ 4,000 sheets
Consumables Roller Assembly Kit: 200,000 cycles
USB Flash Memory 1x

System Requirements

Windows® 10 (32-bit, 64-bit), Windows 8/8.1 (32-bit, 64-bit), Windows 7 (32-bit, 64-bit)
 Mac® OS X® 10.11.x to MacOS 26
 Software requires Internet connection for download and installation.

General

Environmental Conditions
 Temperature (Operating): 41 °F to 95 °F (5 °C to 35 °C)
 Storage: -13 °F to 140 °F (-25 °C to 60 °C)
 Humidity (Operating): 10% – 80% (no condensation)
Power Requirements 100 VAC – 240 VAC (50 Hz/60 Hz)
Power Consumption
 Operation: 13 W
 Wireless: 18 W
 Sleep: 1.4 W
 Ready: 6.9 W
 Off: 0.1 W
Warranty 1-year limited warranty in the U.S. and Canada
Country of Origin Indonesia
Weight and Dimensions (W x D x H)
 Product Only: 8.2 lb, 11.6" x 6.7" x 6.6"
 Product in Package: 10.4 lb, 14.5" x 12.5" x 10.4"

Software Included

Epson ScanSmart AI software³, Presto! BizCard® OCR
 Software requires Internet connection for download and installation.

Driver Support TWAIN

What's Included

WorkForce ES-590W document scanner, *Start Here* poster, SuperSpeed USB cable, AC adapter and power cable

Eco Features

ENERGY STAR® qualified
 RoHS compliant
 End-of-life options available¹⁴
 Epson America, Inc. is a SmartWay® Transport Partner¹⁴

Ordering Information

ES-590W	B11B288202
Carrier Sheets (5)	B12B819051
Roller Assembly Kit II	B12B819671
Cleaning Kit	B12B819291

¹ Includes Optical Character Recognition (OCR) technology. OCR leverages artificial intelligence (AI) techniques to convert documents and images of text into digital files for use with third-party generative AI solutions. Data entered in third-party AI solutions is subject to the third party's terms of use and privacy policies. Always check the output of AI-generated content for accuracy. | ² Based on letter-sized scans at 300 dpi in Black-and-White, Grayscale or Color Mode, using the USB interface. | ³ Requires Internet connection for Epson ScanSmart software download and installation on a connected Windows PC or Mac. | ⁴ Network connection is required. | ⁵ Wirelessly scan to smartphones or tablets (Android/iOS devices) via the Epson Smart Panel app; download required. Data usage fees may apply. Wirelessly scan to the cloud, PCs or Macs with Epson ScanSmart software, installed on the connected Windows PC or Mac. Internet connection is required. | ⁶ USB device maximum capacity of 2TB (formatted in FAT®, FAT32 or exFAT®). Devices with security settings (such as password or encryption) or those requiring a dedicated driver cannot be used. | ⁷ Compared to Epson multifunction printers available at retail with built-in auto duplex scanning as of January 2026. | ⁸ Requires Tungsten Power PDF™ software to be installed. | ⁹ Word, Excel and PowerPoint® for Windows only; Word and Excel for Mac only. | ¹⁰ Requires Epson Smart Panel app download. Data usage fees may apply. | ¹¹ Source: Circana, LLC, Retail Tracking Service, U.S. & Canada, Scanners, Dollar & Unit Sales, April 2024 – March 2025. | ¹² Peak daily duty cycle is the highest recommended number of scanned sheets per day. For best results, do not exceed the peak daily duty cycle. Calculations based on maximum scanning speed and an assumed daily use time. | ¹³ For convenient and reasonable recycling options, visit epson.com/recycle | ¹⁴ 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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