

# WorkForce® Enterprise WF-M20590 Monochrome Multifunction Network Printer

Print | Copy | Scan



Shown with optional trays

Multifunction

Workgroup

## The ultra productive network MFP for high-volume, quality monochrome printing.

**Ultra productive** — the monochrome printer for high-volume print production applications

**Quality without compromise** — advanced PrecisionCore® Linehead Technology delivers both speed and professional-quality output

**Conserve energy** — up to 50 percent lower power consumption than monochrome lasers<sup>1</sup>

**Breakthrough speed that takes business productivity to a whole new level** — 100 ISO ppm<sup>†</sup> (black), the fastest print speed in its class<sup>1</sup>

**Do more with an intuitive user interface** — scan to email or the cloud<sup>2</sup>, all from a user-friendly 9" touchscreen

**Manage your printer fleet and keep costs in check** — compatible with third-party software solutions for tracking usage in order to manage costs

**Print from wherever business takes you** — featuring Epson Connect™, with a full suite of mobile printing capabilities<sup>3</sup>

**Optional professional finisher** — the perfect solution for stacking and stapling

**Monthly duty cycle** — up to 400,000 pages (recommended monthly page volume of up to 100,000 pages)<sup>4</sup>

**Make an impact while minimizing costs** — professional, high-resolution output (600 x 2400 dpi) from a cost-effective network MFP

*Designed for use exclusively with Epson cartridges\*.*



Epson Print Admin

**Print**

**Printing Technology** PrecisionCore 1-color (mono) drop-on-demand linehead inkjet technology  
**Maximum Print Resolution** 600 x 2400 dpi  
**Print Speed**<sup>†</sup> 100 ISO ppm (black) simplex, 100 ipm (black) duplex  
**Print Features** Simplex, Duplex, Collating, Rotate-sort, Mixed Paper Sizes, Secure Printing, Watermark, Poster Printing

**Mobile Printing and Scanning**

**Epson Connect Solutions**<sup>3</sup> Epson Email Print, Epson Remote Print, Epson iPrint™ App (iOS<sup>®</sup>, Android™), Epson Print and Scan App (Windows<sup>®</sup>)  
**Other** Google Cloud Print™, Android printing, Fire™ OS printing, Mopria<sup>®</sup> Print Service, Scan to Cloud<sup>2</sup>, Chrome OS

**Copy**

**Copy Speed Flatbed**<sup>††</sup> 100 ISO cpm (black/color)  
**Copy Speed ADF**<sup>††</sup> 100 ISO cpm  
**Copy Quantity** 1 – 999  
**Maximum Copy Size** 13" x 19"  
**Copy Resolution (dpi)** Maximum 600 x 1200  
 Document Table (input): text 300 x 600, text and image 300 x 600, text and image (best) 600 x 600, photo 300 x 600  
 Document Table (output): text 600 x 600, text and image 600 x 600, text and image (best) 600 x 600, photo 600 x 1200  
 ADF (input): text 300 x 400, text and image 300 x 400, text and image (best) 600 x 600, photo 300 x 400  
 ADF (output): text 600 x 600, text and image 600 x 600, text and image (best) 600 x 600, photo 600 x 1200  
**Copy Features** Automatic 1-sided to 2-sided, Fit to Page, Automatic Reduction and Enlargement (25 – 400%), ID Copy, Adjustable Copy Density, Collate 100 Sheets, 1-sided to 2-sided, 2-sided to 1-sided, 2-sided to 2-sided, Adjustments — Density, Contrast, Color, Sharpness, Text Enhancement, Mixed Size Originals

**Scan**

**Scanner Type** Color flatbed/Auto 2-sided ADF  
**Optical Resolution** 1200 dpi  
**Hardware Resolution** 1200 x 2400 dpi  
**Maximum Resolution** 9600 dpi interpolated  
**Scanner Speed**<sup>5</sup> ADF Simplex 60 ipm/Duplex 110 ipm  
**Maximum Scan Bed Size** 11.7" x 17"  
**Scan Features** Scan to PC (USB and network), Scan to Cloud<sup>2</sup>, Scan to Email (SSL), Network Folder, LDAP Support, Scan to Memory Card/Flash Drive, Scan to PDF, Remove Shadows/Punch Holes, Density Adjustment

**Auto Document Feeder**

**Support Paper Thickness** 52 – 160 g/m<sup>2</sup>, 16 lb – 40 lb  
**Paper Capacity/Number of Originals** 150 sheets, 80 g/m<sup>2</sup>, 21 lb  
**Automatic 2-sided Scan/Copy** Yes

**Connectivity**

**Standard Connectivity**  
 SuperSpeed USB 3.0, Wireless, Wi-Fi Direct<sup>®6</sup>, Ethernet — 1000Base-T/100Base-TX/10Base-T, NFC<sup>7</sup>  
**Operating Systems** Windows 10, Windows 8, 8.1 (32-bit, 64-bit), Windows 7 (32-bit, 64-bit), Windows Vista<sup>®</sup> (32-bit, 64-bit), Windows XP SP3 (32-bit), Windows XP Professional x64 Edition, Windows Server<sup>®</sup> 2003 SP2<sup>8</sup> – Windows Server 2016<sup>9</sup>, Mac<sup>®</sup> OS X<sup>®</sup> 10.6.8 – macOS<sup>®</sup> 10.12.x<sup>9</sup>

**Paper Handling**

**Maximum Paper Size**  
 Standard cassette up to: 11" x 17"  
 Multipurpose tray: 13" x 47.2"  
**Paper Types** Plain Paper, Ultra Premium Presentation Paper Matte, Premium Presentation Paper Matte, Presentation Paper Matte, envelopes and card stock up to 350 g/m<sup>2</sup> or 92 lb  
**Number of Paper Trays** 4 standard cassette trays and 1 multipurpose tray; optional high-capacity input tray  
**Input Paper Capacity** 2,350 sheets (550 x 4 standard trays, 150 x 1 multipurpose tray); optional high-capacity input tray: 3,000 sheets  
**Supported Paper Weights**  
 Standard cassette trays: up to 160 g/m<sup>2</sup> or 42 lb  
 Multipurpose tray: up to 350 g/m<sup>2</sup> or 92 lb

**General**

**Display** 9.0" color touchscreen  
**Temperature**  
 Operating: 50 ° to 95 ° F (10 ° to 35 ° C)  
 Storage: 6.8 ° to 104 ° F (-14 ° to 40 ° C)  
**Relative Humidity**  
 Operating: 15 – 85%  
 Storage: 5 – 85% (no condensation)  
**Noise Level** Less than 75 dB  
**Rated Voltage** AC 100 – 240 V  
**Rated Frequency** 50 – 60 Hz  
**Rated Current** 9.0 – 4.5 A  
**Power Consumption (Approximate)**  
 Standalone Copy Printing: 180 W  
 Ready Mode: 77 W  
 Sleep Mode: 1.1 W

**General (continued)**

**Maximum Power Consumption** 320 W  
**Weight and Dimensions (W x D x H)**  
 Printer: 26.5" x 29.8" x 48.5"  
 Weight: 394.6 lb (printer), 410.3 lb (printer with supplies)  
 Optional Bridge Unit: 19.1" x 26.3" x 40.9"  
 Weight: 136.7 lb  
 Optional Professional Finisher: 26.8" x 26.3" x 41.8"  
 Weight: 91.7 lb  
 Optional High-capacity Input Tray: 12.6" x 24.4" x 19.8"  
 Weight: 60.2 lb  
**What's in the Box** WorkForce Enterprise WF-M20590 MFP, instruction booklet, power cord, DURABrite<sup>®</sup> Pro Ink cartridges (2x Black ink cartridges)  
**Software Available**<sup>10</sup> Epson<sup>®</sup> printer driver, PCL-5 driver emulation<sup>11</sup>, PCL 6 driver emulation<sup>11</sup>, Adobe<sup>®</sup> PostScript<sup>®</sup> 3™, Document Capture Pro  
**Warranty** 90-day limited warranty; additional service options available through your reseller  
**Country of Origin** Indonesia

**Ink**

**Ink Type** DURABrite Pro pigment ink  
**Ink Cartridges** 2x individual ink cartridges (Black)  
**Fade Resistance/Print Longevity**<sup>12</sup> Up to 84 years  
**Replacement Ink Cartridges**<sup>13</sup> T04Q120 High-capacity Ink Cartridges — Black (Yield, ISO pages — 60,000)  
 Printer is designed for use with Epson cartridges only, not third-party cartridges or ink<sup>14</sup>.

**Eco Features**

Uses up to 50% less power than color laser printers<sup>1</sup>  
 Save up to 50% of your paper supply with automatic, 2-sided printing  
 ENERGY STAR<sup>®</sup> qualified  
 RoHS compliant  
 Recyclable product<sup>14</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>15</sup>

**Ordering Information**

WorkForce Enterprise WF-M20590	C11CJ03201
Optional Professional Finisher with Bridge Unit	C12C933261BU
Optional High-capacity Input Tray	C12C933331
Optional Cassette Lock	C12C933231
Staples Cartridge Finisher	C13S210061

<sup>†</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.  
<sup>††</sup> Black print speeds are measured in accordance with ISO/IEC 24734. Actual print times will vary based on factors including system configuration, software, and page complexity. For more information, visit [www.epson.com/printspeed](http://www.epson.com/printspeed) | <sup>1††</sup> Black 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) | <sup>1</sup> Compared to similarly featured A3 monochrome MFPs. Competitive data gathered from manufacturer websites and third-party industry sources as of February 2019. | <sup>2</sup> 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) | <sup>3</sup> 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) | <sup>4</sup> Monthly duty cycle up to 400,000 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 100,000 pages a month. | <sup>5</sup> Based on 200 dpi, letter-size, in Black-and-White or Color. | <sup>6</sup> Wi-Fi CERTIFIED™: level of performance subject to the range of the router being used. Wi-Fi Direct<sup>®</sup> may require printer software. | <sup>7</sup> NFC requires use of a device that includes NFC, and may require additional software. | <sup>8</sup> Only printing and scanning are supported under Windows Server OS. | <sup>9</sup> Some applications and/or functions may not be supported under Mac OS X. | <sup>10</sup> Internet access is required to install OS X drivers and software. | <sup>11</sup> Not all media types are supported for PCL printing. | <sup>12</sup> 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. | <sup>13</sup> 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 more information, visit [www.epson.com/inkinfo](http://www.epson.com/inkinfo) | <sup>14</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>15</sup> 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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