

WorkForce Enterprise

WF-M20590D4TW



Ideal for high-volume environments such as logistics, this 100ppm departmental A3 mono device delivers reliable results for continuous print runs.

Print high-quality black and white documents at superfast 100ppm speeds with this reliable and environmentally-friendly departmental A3 business MFP that is ideal for high-volume specialist environments, such as logistics and central reprographics departments.

High speed and reliability

Enjoy consistently superb image quality at 600 x 2400dpi and print speeds up to 100 images per minute in simplex and duplex. Additionally, it has a fast 60ipm simplex/110ipm duplex ADF scan speed. Its simple print process, with fewer moving parts than a laser, delivers high reliability, and the clever paper feed mechanism minimises paper jams, double feeds and no feeds – even at high speeds.

Reduces environmental impact

Use up to 82% less energy compared to lasers¹. With reduced waste and a simple working mechanism, it reduces the environmental impact of print by providing a low-power solution with fewer supplies required. Benefit from a high paper capacity of 5,350 sheets², and print up to 120K pages in black without replenishing ink³.

Quality without compromise

The combination of Epson's PrecisionCore linehead inkjet technology, water-based pigment inks and efficient paper transport mechanism gives you a printer that delivers consistently. Print on a wide range of media including recycled paper, envelopes and labels.

Advanced integration

From remote management to accounting and pull printing solutions, a wide range of software solutions can be integrated into your existing IT infrastructure to improve productivity and increase efficiency. Epson Open Platform delivers compatibility with leading ISV solutions.

DATASHEET / BROCHURE



KEY FEATURES

- **Radically fast mono printing**
Up to 100ppm plus high-speed dual scan
- **High reliability**
Simple mechanism for environments where downtime is not an option
- **High capacity**
Print up to 120k³ black pages without replenishing ink
- **Cut environmental impact**
Use up to 82% less energy compared to lasers¹
- **Built for business**
Take advantage of a wide range of software solutions

PRODUCT SPECIFICATIONS

TECHNOLOGY

Printing Method	PrecisionCore™ Micro TFP printhead
Nozzle Configuration	8,676 Nozzles Black
Minimum Droplet Size	3.5 pl
Ink Technology	DURABrite™ Pro
Category	Office Departmental
All-in-One Functions	Print, Scan, Copy

PRINT

First Page Out	Monochrome 5 Seconds
Printing Speed ISO/IEC 24734	100 pages/min Monochrome
Duplex Printing Speed ISO/IEC 24734	100 A4 Pages/min Monochrome
Printing Speed ISO/IEC 24734 (A3)	54 pages/min Monochrome
Duplex Printing Speed ISO/IEC 24734 (A3)	36 A4 Pages/min Monochrome
Maximum Printing Speed	100 pages/min Monochrome (plain paper 75 g/m ²)
Printing Resolution	600 x 2,400 DPI
Printing Volume	400,000 pages per month The maximum number of printed pages per month based on the performance capabilities of the printer, including ISO rated print speeds and paper handling capabilities.
Recommended Duty Cycle	20,000 - 100,000 pages per month
Colours	Black

For detailed information on printing speeds please visit <http://www.epson.eu/testing>.

SCAN

Scanning Speed	60 ipm (Monochrome, Single-sided, 200 dpi, ADF); 110 ipm (Monochrome, Double-sided, 200 dpi, ADF); 60 ipm (Colour, Single-sided, 200 dpi, ADF); 110 ipm (Colour, Double-sided, 200 dpi, ADF); 60 ipm (Colour, Single-sided, 300 dpi, ADF); 85 ipm (Colour, Double-sided, 300 dpi, ADF);
Optical Resolution	600 DPI x 1,200 DPI (Horizontal x Vertical)
Optical Resolution (ADF)	600 DPI x 600 DPI (Horizontal x Vertical)
Advanced document integration	Scan to Email, Scan to FTP, Scan to USB, Computer (Epson Document Capture Pro), USB Memory Device / Card
Output formats	JPEG, TIFF, PDF
Scanner type	Contact image sensor (CIS)

COPY

Copy Speed	Up to 100 ipm Black, Up to 100 ipm Colour *Simplex ADF 600 x 600 dpi (ISO/ IEC 24735)
Copy resolution (dpi)	600 x 1200
Reduction / Enlargement	25 % - 400 %
Maximum number of copies	9,999
Maximum Copy Size	A3

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WHAT'S IN THE BOX

- Information sheet
- Power cable
- User guide

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CONNECTIVITY

Network Printing Protocols	LPR, FTP, IPP, LDP, Port 9100, TCP/IPv4, TCP/IPv6, IPsec, WSD-Print
Network Management Protocols	SNMP, HTTP, DHCP, BOOTP, APIPA, DDNS, mDNS, SNT, SLP, WSD, LLTD, Ping, SMTP, TCP/IPv4, TCP/IPv6, IPsec, IEEE 802.1X, DHCP, HTTPS, LDAP, SNMP 3.0
Network Scanning Protocols	WSD-Scan, FTP
Interfaces	USB 1.1 Type A, USB 2.0 Type A, USB 3.0 Type B, 10 Base-T, Ethernet interface (100 Base-TX / 10 Base-T), Gigabit ethernet interface, Ethernet Interface (1000 Base-T/ 100-Base TX/ 10-Base-T), Wireless LAN IEEE 802.11a/b/g/n, Wi-Fi Direct, Near Field Communication (NFC)
WLAN Security Network Protocol	WEP 64 Bit, WEP 128 Bit, WPA2 Enterprise, WPA2 PSK (AES) TCP/IPv4, TCP/IPv6, TCP, HTTP, HTTPS, IPv4, IPv6, IPSEC, SSL/TLS

PAPER / MEDIA HANDLING

Paper Formats	A3+, A3 (29.7x42.0 cm), A4 (21.0x29.7 cm), A5 (14.8x21.0 cm), A6 (10.5x14.8 cm), B4 (25.7x36.4 cm), B5 (17.6x25.7 cm), B6 (12.5x17.6 cm), C4 (Envelope), C5 (Envelope), C6 (Envelope), DL (Envelope), Executive, Letter, Legal, HLT, No. 10 (Envelope), Postcard, User defined
Automatic Document Feed	150 pages
Compatible Paper Weight	60 g/m ² - 350 g/m ²
Duplex	Yes (A4/A3, plain paper)
Standard Paper input	2,350 Sheets Standard, 150 Sheets MP tray, 550 Sheets paper tray
Output Tray Capacity	550 Sheets
Maximum paper input	5,350
Number of paper trays	4

PAPER FEED RASF

Paper Input Name	RASF
Paper Formats	A3+, A3, A4, A5, A6, B4, B5, B6, C4 (Envelope), C5 (Envelope), C6 (Envelope), DL (Envelope), Letter, 20 x 25 cm, HLT, User defined
Custom sizes	Min 55x 330 mm to Max 127x 1,200 mm
Compatible paper weight	60 g/m ² - 350 g/m ²
Paper Capacity 1	150 80gsm

PAPER FEED C1

Paper Input Name	C1
Paper Formats	A3, A4, A5, B4, B5, Letter, HLT, Executive
Custom sizes	Min 140x 297 mm to Max 182x 432 mm
Compatible paper weight	60 g/m ² - 160 g/m ²
Paper Capacity 1	550 80gsm

{SPECGROUPNAMEPAPERFEEDC2-C4}

Paper Input Name	C2-C4
Paper Formats	A3, A4, A5, B4, B5, Letter, HLT
Custom sizes	Min 140x 297 mm to Max 182x 432 mm
Compatible paper weight	60 g/m ² - 160 g/m ²
Paper Capacity 1	550 80gsm

PAPER FEED LCT

Paper Input Name	LCT
Paper Formats	A4, Letter
Compatible paper weight	60 g/m ² - 160 g/m ²
Paper Capacity 1	3,000 80gsm

PAPER FEED DUPLEX

Paper Input Name	Duplex
Compatible paper weight	60 g/m ² - 160 g/m ²

PRODUCT SPECIFICATIONS

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GENERAL

Energy Use	180 Watt (standalone copying, ISO/IEC 24712 pattern), 1.4 Watt (sleep mode), 77 Watt (Ready), 0.4 Watt (Power off), TEC 0.46 kWh/week
Supply Voltage	AC 100 V - 240 V
Product dimensions	674 x 757 x 1,231 mm (Width x Depth x Height)
Product weight	179 kg
Compatible Operating Systems	Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Mac OS X 10.11.x, Mac OS X 10.12.x, Mac OS X 10.13.x, Mac OS X 10.6.8, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016, Windows Vista (32/64 bit), Windows XP SP3 or later (32-bit), Windows Server 2003 R2, Windows Server 2003 SP2 or later, XP Professional x64 Edition SP2
Sound Power	Operation: 7.5 B (A)
Noise	Operation: 59 dB (A)
Power supply	220V, 240V

ADDITIONAL FEATURES

Features	Touchscreen
Panel	Type: Color, Touchscreen, Diagonal: 22.7 cm
Media Handling	Duplex (A4/A3, plain paper)
Security Functions	Limit access function with Epson Web Config, Secure confidential printing with PIN code release, LDAP Address Book, IPsec, IEEE802.1x, SSL (Server authentication), Panel Admin Mode
HDD	HDD, Encrypted, 320GB

OTHER FEATURES

Emulations	PCL5c, PCL6, ESC/P-R, ESC/Page, ESC/Page-Colour, PostScript 3, PDF 1.7
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SUPPLIES

● WFE Paper Feed Roller for Cassette	C12C935961
● WorkForce Enterprise WF-M20590 Black Ink	C13T04Q100 60,000 pages
● Staples	C13S210061
● Maintenance box	C13T671300

OPTIONAL ACCESSORIES

- 3000-sheet High Capacity Paper Tray
C12C933041
- 4000-Sheet Stapler / Stacker unit
C12C933261
- Optional Bridge Unit
C12C933081
- Cassette Lock
C12C933231

LOGISTICS INFORMATION

SKU	C11CJ03401BY
EAN code	8715946669717
Country of Origin	Indonesia
Layer	1 Units

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INK YIELD DATA

● 60,000 pages*

* Approx. page yield based on ISO/IEC 24711/24712 or ISO/IEC 29102/29103. Actual yield will vary depending on images printed and usage conditions. For more information visit <http://www.epson.eu/pageyield>



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1. Epson WorkForce Enterprise WF-M20590D4TW maximum power consumption 320W compared to competitor mono A3 MFP laser devices in the 70-90ppm segment. Compared against the IDC top 10 models for CY18, Western Europe, in the above segment. Comparison based on data as available in BLI database (Mar 2019).
2. Standard paper capacity of 2,350 pages. Max paper capacity of 5,350 with an optional high-capacity paper tray.
3. Black page yield of 120K pages achieved by two 60K cartridges. Both are required for operation.

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