



**FS-2020D**

Black & White Printing Solution

**ECONOMICAL. ECOLOGICAL. ECOSYS PRINTERS.**

- Fast output speed of 37 pages per minute
- ECOSYS® long life consumables reduce operating costs
- Maximum 1,100 sheet paper capacity
- Unique KX print driver and optional network interface card
- Productive duplex function saves paper
- Ultra-reliable technology





# FS-2020D



FS-2020D with standard configuration  
15.04"W x 15.51"D x 11.22"H



FS-2020D with additional paper feeder  
15.04"W x 15.51"D x 15.55"H



Easy-to-replace toner container



Front facing USB host interface supports PDF and TIFF file formats

### Basic Specifications

Technology and Configuration	Kyocera ECOSYS® Black & White Network Printer
Pages Per Minute	Letter: 37, Legal: 28, A4: 35
Warm Up Time	17 seconds or less from main power on, 15.5 seconds or less from sleep mode
First Print Out Time	9 seconds or less (EcoFuser off)
Resolution	Fine 1200 Mode (1,200 x 1,200 dpi), Fast 1200 Mode (1,800 x 600 dpi), 600 x 600 dpi, 300 x 300 dpi
Memory	Standard 128MB, upgradable to 1152MB via 144 pin DDR2 DIMMs; Standard CF Card Slot (type 1)
Hard Disk Drive	Optional HD-5A
Duplex Printing	Standard Duplex, 18.5 Pages Per Minute Letter
Electrical Requirements	120V, 50/60Hz, 7.6A; 220 to 240 VAC, 50/60Hz, 4.3A
Dimensions / Weight	15.04"W x 15.51"D x 11.22"H / 35.7 lbs
Typical Energy Consumption (TEC)	3.103 kWh/week (120V)
Noise (ISO 7779 / ISO 9296) <sup>1</sup>	Printing 52dB(A), Ready 29dB(A)
Manufacturing Standards	This unit is manufactured according to ISO 9001 quality standard and ISO 14001 environmental impact standard
Maximum Monthly Duty Cycle	150,000 Pages Per Month
Recommended Monthly Volume	1,000 to 20,000 Pages Per Month

### Controller Specifications

CPU / MHz	Embedded Power PC 440 / 533 MHz
PDL / Emulations	PRESCRIBE, PCL6 (PCL5c, PCLXL), KPDL (PS3), XPS <sup>2</sup>
Direct Print	PDF 1.5 Direct Print
Fonts	93 Scalable Fonts for PCL/Postscript, 8 Fonts for Windows Vista, 1 Bitmap Font
Barcodes	45 Barcodes (EAN8, EAN13, EAN128), and support for two dimensional Barcodes (PDF-417)
Supported Client Operating Systems	Certified for Microsoft® Windows Vista® 32/64-bit, Windows® 2000, Windows XP® 32/62-bit, Windows Server 2003 32/64-bit, Windows Server 2008 32/64-bit, Mac OS X v10.3.9, v10.4, v10.5; Linux
Supported Network Operating Systems <sup>3</sup>	Microsoft Windows 2000, Server 2003, XP, Vista, 2003 64-bit, XP 64-bit, (for Microsoft IPv6 compatible with Windows 2003, XP, and Vista); Novell 5.1 and Later; Mac OS X 10.2.8, v10.3, v10.4, v10.5; Linux, Unix
Printer Management	Status Monitor, Command Center Web Interface, PrintQ Manager, KMnet Viewer, KMnet Admin, KMnet for Accounting
Connectivity / Interfaces	High Speed USB 2.0 Host, Parallel IEEE1284 Interface, CF-1 Card type 1, KUIO/W (1 slot)
Network Protocols	IPv6: HTTP, LPD, FTP, IPP, RawPort, ICMPv6, LLTD, SNMP, DHCPv6, SMTP, POP3, DNS, SNMPv1/v2c/v3, WSD IPv4: HTTP, HTTPS, LPD, FTP, IPP, RawPort, ICMP, DHCP, SMTP, POP3, SNMP, DNS, WINS, NetBIOS over TCP/IP, SNMPv1/v2c/v3, Apple Bonjour Compatible, IPPS, LLTD, WSD IPX/SPX, NetWare (NDS/Bindery), AppleTalk, NetBEUI
Security	IPsec, 802.1x, SSL/TLS (HTTPS, IPPS), SNMPv3, EAP-TLS, PEAP, AH, ESP
Drivers	KX Driver For Windows®, PPD for Mac, PPD for Linux/UNIX, Mini Driver, Windows® 64 Bit Drivers
Departmental Accounting	100 Department Codes
Additional Print Features	LCD Operation Panel, N-Up Printing, Private Print, Virtual Mailbox, Document Storage, EcoPrint Mode, Poster Mode, Internet Printing IPP 1.0
Multi Language Support	English, Italian, French, Spanish, German, Portuguese, Dutch, Russian

### Paper Supply

Standard Paper Sources	500 Sheet Drawer, 100 Sheet Multi-Purpose Tray
Standard / Maximum Paper Sources	2 / 3 including Multi-Purpose Tray
Standard Paper Drawer Size / Weight	Letter, Legal, Oficio2, A4, A5, B5, A6R, Executive, 16 kai, Folio, Custom 5.47" x 8.27" / 16-32 lb Bond
Standard Duplex Paper Size / Weight	Letter, Legal, A4, A5, B5, Folio / 16-32 lb Bond
Standard / Maximum Paper Capacity	600 / 1,100 Sheets
Multi-Purpose Tray Paper Size / Weight	Letter, Legal, A4, B5, A5, Folio, Oficio 2, Statement, Executive, A6, B6, B5, Envelope, Monarch, DL; Custom 2.76" x 5.83" to 8.5" x 14" / 16 lb Bond - 120 lb Index
Input Materials	Plain, Preprinted, Bond, Recycled, Rough, Letterhead, Color, Pre-Punched, High Quality, Transparency, Labels, Bond, Vellum, Envelope, Cardstock, Thick Paper, Custom
Output Capacity	250 Sheets

### Paper Handling Options

#### PF-310 Paper Feeder<sup>4</sup>

Paper Capacity	500 Sheets
Paper Size / Weight	8.5" x 11", 8.5" x 14", Oficio2, A4, A5R, B5, Folio / 16-32 lb Bond
Dimensions / Weight	15.04"W x 15.51"D x 4.33"H / 8.6 lbs

### Consumables

Black Toner	TK-342 Toner for 12,000 pages <sup>5</sup> (ships with 6,000 pages)
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### Additional Options

Additional Memory	144 pin 64, 128, 256, 512 or 1024MB DDR2 SDRAM DIMMS
Network Interface	Optional IB-31 Network Interface Supports Security and Compliance <sup>6</sup>

1 Sound Pressure  
2 Requires 256MB or more memory upgrade for XPS printing  
3 May require software from the NOS vendor or third-party vendor  
4 The FS-2020D can be configured with up to 1 additional PF-310 Paper Feeder  
5 In accordance with ISO19752  
6 The FS-2020D can be configured with the optional IB-31 NIC or optional HD-5A HDD, but not concurrently

KYOCERA Document Solutions America's objective is to manufacture superior products with a low Total Cost of Ownership (TCO) and minimize the impact on the environment. Kyocera's ECOSYS printers incorporate a patented long life drum which is separate from the toner container, eliminating the need to replace the drum when toner is depleted – and reducing landfill waste.

ECOSYS printers provide customers with a printing solution that incorporates long life consumables and one of the lowest costs per print. The operating costs of traditional cartridge-based printers can easily exceed many times the original purchase price during the life of the product. Evaluate your printer costs today. Visit our TCO Tracker at [www.kyoceradocumentsolutions.com](http://www.kyoceradocumentsolutions.com) and start saving.



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