



> PRINT

**FS-4100DN**

MONOCHROME PRINTER  
FOR A4 FORMAT

# FLEXIBILITY AND HIGH PERFORMANCE FOR WORKGROUPS.



This fast printer is capable of printing 45 ppm in b/w and will slot into any network environment. It boasts enhanced security features with card authentication, private print and hard disk protection. Enhanced paperhandling capabilities will give extra benefit to your team. With long life components it has an exceptionally low running costs and environmental impact.

- > Up to 45 pages per minute in A4 with up to 1,200 dpi resolution
- > Gigabit network functionality as standard
- > Double-sided- and N-up-printing reduces paper consumption
- > A6 printing from internal paper cassette
- > 500 sheet paper output capacity for continuous printing
- > Alphanumeric keypad for easy password entering (Private Print)
- > Convenient printing directly from USB Flash memory device
- > Optional paper feeders for increased capacity and flexibility
- > Exceptionally low printing costs in its class



ECOSYS stands for ECOlogy, ECONomy and SYStem-printing. With their long-life components, ECOSYS devices are designed to maximise durability and minimise the total cost of ownership with regard to maintenance, administration and consumables. The cartridge-free system means that only the toner has to be replaced regularly. The modular design concept allows you to add workflowenhancing functions as required. Integrated system software provides long-term crossnetwork compatibility. KYOCERA's long-life components cost you and the environment less.

#### PRESCRIBE IIe

With the KYOCERA page design and control language PRESCRIBE IIe, even complex graphics, logos and forms (multipart forms) can be created independently on the system and saved and updated in the printer. Consequently, integration into print files no longer applies. They are only accessed as required and therefore relieve the load on the network.

#### GENERAL

**Technology:** KYOCERA ECOSYS Laser

**Control panel:** 5 line LCD display with alphanumeric keypad

**Engine speed:** Up to 45 pages per minute in A4

**Resolution:** 1,200 dpi

**Duty cycle:** Max. 200,000 pages per month

**Warm-up time:** Approx. 15 seconds or less from power on

**Time to first page:** Approx. 9 seconds or less

**Dimensions:** (W x D x H): 380 mm x 416 mm x 320 mm

**Weight:** Approx. 14.6 kg (main unit)

**Power source:** 220/240 V, 50/60 Hz

**Power consumption**

Printing: 618 W

Stand-by: 13.3 W

Power-Saving (ECOpower): 1.6 W

Typical Electricity Consumption (TEC): 2.53 kWh/week

**Noise (Sound pressure level: ISO 7779 / ISO 9296):**

Printing: 53.6 dB(A) LpA

Stand-by: 27.8 dB(A) LpA

**Safety standards:** GS, TÜV, CE

This unit is manufactured according to ISO 9001 quality standard and ISO 14001 environmental standard.

#### PAPER HANDLING

All paper capacities quoted are based on a paper thickness of max. 0.11 mm. Please use paper recommended by KYOCERA under normal environmental conditions.

**Input capacity:** 100-sheet multi-purpose tray; 60–220 g/m<sup>2</sup>;

A4, A5, A6, B5, Letter, Legal, Custom (70 x 148 – 216 x 356 mm)

500-sheet universal paper cassette, 60–120 g/m<sup>2</sup>;

A4, A5, A6, B5, Letter, Legal, Custom (105 x 148 – 216 x 356 mm)

Max. input capacity incl. options: 2,600 sheets

**Duplex unit:** Duplex as standard supports A4, A5, B5,

Letter, Legal, Custom (140 x 210 mm – 216 x 356 mm),

60–120 g/m<sup>2</sup>

**Output capacity:** 500-sheet-face-down with paper full sensor and optional 250-sheet-face-up with PT-320

#### KYOCERA NetViewer

KYOCERA NetViewer enables complete monitoring and control of all ECOSYS printers and digital KYOCERA multifunction units from any Windows® PC and thus provides ideal network administration. It also supports the standardised SNMP protocol.

#### Command Center RX

The Command Center RX enables to control and manage various settings by accessing the device via Web browser. E.g. automatically updating of screens, customizing user screens, viewing department & restriction settings.

#### USB Host Interface for USB Flash Memory

Documents can be printed directly from a USB Flash Memory (e.g. USB stick) via the USB host interface. The documents stored as PDF, XPS, TIFF or JPEG are selected directly via the printer's control panel. No computer is required.

#### CONTROLLER

**CPU:** PowerPC 465 / 750 MHz

**Memory:** 256 MB RAM, max. 1,280 MB RAM

**Standard interface:** USB 2.0 (Hi-Speed), 2 USB Host Interfaces, Gigabit Ethernet (10/100/1000BaseT), Slot for optional internal print server or SSD hard disc, Slot for optional SD/SDHC-Card

**Controller language:** PRESCRIBE IIe

**Emulations:** PCL6 (PCL5c / PCL-XL), PostScript® 3 (KPD L 3), XPS Direct Print\*\*, PDF Direct Print 1.7, IBM Proprinter X24E, Epson LQ-850 with automatic emulation sensing

**Operating systems:** All current Windows operating systems, Mac OS X Version 10.4 or higher, UNIX, LINUX as well as other operating systems on request

**Fonts/Barcodes:** 93 scalable fonts for PCL/PostScript®, 8 fonts for Windows Vista®, 1 Bitmap font, 45 barcodes (e.g. EAN8, EAN13, EAN128) with automatic generation of checksums as well as support of two-dimensional barcodes PDF-417 under PRESCRIBE (PCL and other barcodes available as an option)

**Integrated Accounting:** 100 department codes

#### CONSUMABLES

Average continuous toner yield in accordance with ISO/IEC 19752

**TK-3110 Toner-Kit:** Microfine toner for 15,500 pages A4

**TK-3100 Toner-Kit:** Microfine toner for 12,500 pages A4

Capacity of starter toner is 8,000 pages A4.

#### OPTIONS

**PF-320 Paper feeder (max. 4 units):** Max. 500 sheets; 60–120 g/m<sup>2</sup>; A4, A5, B5, Letter, Legal, Custom (148 x 210 mm – 216 x 356 mm)

**PF-315+ Bulk paper feeder and PB-325 Printer base:** Max. 2,000 sheet, 60–220 g/m<sup>2</sup>, not to be combined with PF-320

**CB-360 Cabinet:** Wooden desk with storage capacity

**PT-320 Paper tray:** 250-sheet-face-up output tray

**Memory upgrade:** MDDR2-512: 512 MB, MDDR2-1024: 1.024 MB

**SD/SDHC\*-Card:** 1 slot (up to 32 GB) for storage of documents incl. Private Print functionality

**HD-6 SSD hard disc:**

32 GB for easy document management

**Data security kit (E):** in line with security level EAL3

**USB IC Card Reader + Card Authentication Kit (B):** Support for various authentication keys available

**UG-33:** ThinPrint support

**Optional interface**

**IB-50:** Gigabit Ethernet: 10BaseT/100BaseTX/1000BaseT (RJ-45)

**IB-51:** Wireless LAN (802.11b/g/n)

**IB-32:** Parallel IEEE1284 interface kit

#### MODEL VARIATIONS

**FS-4100DN/KL3:** FS-4100DN incl. warranty extension KYOlife 3 years

#### WARRANTY

1-year warranty\*\*\* as standard. KYOCERA guarantees the drum and developer for 3 years or maximum 300,000 pages (whichever occurs sooner), provided the printer is used and cleaned in accordance with the service instructions.

**KYO LIFE** The up to 5-year on-site warranty extension for printer and options.



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\*\* Requires memory expansion \*\*\* Depending on the country