

**RICOH**  
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# Ricoh Priport DD 4450

Digital Duplicator



DD 4450

**130** ppm  
monochrome  
and spot color

# Ricoh Priort DD 4450 Digital Duplicator

## Combine high speeds with excellent quality for added value

The easy-to-use RICOH® Priort DD 4450 Digital Duplicator offers a host of innovative features for fast, high-quality printing that saves production time — and your bottom line. Use it to manage low to mid-volume reproduction workloads with ease, or, integrate it seamlessly into your network to streamline workflow as an integral part of the Ricoh Managed Document Services (MDS) strategy.

- Produce 130 black-and-white prints/copies per minute
- Create professional-looking documents with outstanding image quality
- Protect the environment with superior energy-saving performance

## Sustainable performance for any environment

You want your communications materials to impact your audience — not the environment. The DD 4450 Digital Duplicator is ENERGY STAR qualified, and is specifically designed to save energy without compromising productivity. Features such as one button master making, availability of the optional “short” master drum and ability to work with recycled paper\*, optimize supply usage and cost. Duplication doesn't require heat, so this device consumes significantly less electricity (lower Typical Electricity Consumption (TEC) value) than other conventional high speed printing systems. Plus, it's fully compliant with Restriction of Hazardous Substances (RoHS) Directive.

## Innovative, user-friendly convenience

With a four-line, full-color, intuitive LCD control panel, any user can navigate key functionality and operate the system in moments with minimal training. The standalone or networked system (via the optional Type 4545A embedded PC controller) offers one-button control for master-making or printing to minimize operator error. Supplies can be loaded and replaced without mess or stress via the accessible design. Plus, it's compatible with Ricoh's @Remote for automated meter reads and utilization reporting.

## Fast output for mid-volume workflows

The powerful, reliable duplicator can print up to 130 documents per minute, making it ideal for handling the incredible demands of educational, religious and non-profit organizations. It offers a sleek design that minimizes moving parts and features such as the Retry Paper Feed to minimize paper jams and misfeeds for smooth, uninterrupted paper feed. With print masters that yield a generous 4,000 prints, a robust duty cycle and easy-to-use controls, the system ensures that high-output volumes are produced with extremely low cost-per-page results.

## High-quality appearance from start to finish

The newly designed, compact Ricoh Priort DD 4450 Digital Duplicator looks great. The documents it produces look even better. Keep more jobs in house with crisp images, clear grayscales and smooth halftones — up to 600 dpi in fine mode. The advanced ink control system distributes ink with exceptional control and the print pressure sensors automatically adjust for speed, temperature and humidity. Users can even fine-tune documents — including text, photos or handwritten originals — via several imaging modes for more quality control.

\*Use of recycled paper is subject to machine specifications for throughput material.

### Mainframe

Printing Process	Press Roller System, Full Automatic One Drum System
Original Type	Sheet, Book
Original Size	Platen: Maximum 11.7" x 17.0" (297 mm x 432 mm)
Document Feeder	5.8" x 8.3" to 11.7" x 17.0" (148 mm x 210 mm to 297 mm x 432 mm)
Pixel Density	Master Making: 400 dpi x 400 dpi (normal mode) Scanning: 600 dpi x 400 dpi (normal mode) Master Making: 400 dpi x 600 dpi (fine mode)* Scanning: 600 dpi x 600 dpi (fine mode)* *Platen only.
Image Mode	Letter Mode, Photo Mode, Letter/Photo Auto Separation, Pencil
Image Density	Lighter, Normal, Darker1, Darker2 (4 levels)
Reproduction Ratio	4 Reduction: 65%, 74%, 77%, 93% 3 Enlargement: 121%, 129%, 155% 50% – 200% (by 1%)
Zoom	11.4" x 16.2" (290 mm x 410 mm)
Printing Area	5 mm +/- 3 mm (0.2" +/- 0.12")
Leading Edge Margin	Maximum: 12.8" x 17.6" (325 mm x 447 mm)
Print Paper Size	Minimum: 2.8" x 5.9" (70 mm x 148 mm)
Print Paper Weight	12.5 to 55.6 lb. Bond (47.1 to 209.3 g/m <sup>2</sup> )
Printing Speed	60 – 130 sheets per minute 60, 75, 90, 105, 130 ppm – 5 steps
Paper Feed Tray	1,000 sheets (20 lb./80 g/m <sup>2</sup> paper)
Paper Deliver Tray	1,000 sheets (20 lb./80 g/m <sup>2</sup> paper)
Master Feed Capacity	200 masters/roll
Master Eject Box Capacity	More than 65 masters
Special Features	Color Drum Change, Margin Erase, Auto Cycle, Skip Feed, Economy Mode, Security Mode, Tint Mode, Combine Two Originals, Quality Start, Auto Shut Off Mode, Energy Saver Mode, User Code (100 Codes), Class/Memory, Program Mode (9 Programs)
Power Source	120V, 60Hz
Typical Electricity Consumption (TEC)	1.76 kWh
Sleep Mode	6 Watts
Default Time to Sleep	1 min
Recovery Time from Sleep	13 seconds
Supported Languages	English, French, Japanese, Spanish, Traditional Chinese, Simplified Chinese
Dimensions (WxDxH)	With Platen: 53.9" x 27.8" x 40.8" (1,370 mm x 705 mm x 1,040 mm) With ADF: 53.9" x 27.8" x 44.0" (1,370 mm x 705 mm x 1,117 mm)
Weight	191.8 lb. (87 kg); 213.8 lb. (97 kg) with optional ADF
Optional Equipment	Platen Cover Type 3352, Automatic Document Feeder Type DF7000, PC Print Controller Type 4545A, Tape Dispenser, Color Drum, Cabinet
Supplies	Black Ink, Color Ink, Masters, Tape for Tape Dispenser

### Automatic Document Feeder (DF7000) – Optional

Original Size	5.5" x 8.5" (HLT) LEF/SEF to 11" x 17" (DLT) SEF, A4 LEF/SEF, A3 SEF, B4 SEF
Original Weight	11 to 34 lb. (40 – 128 g/m <sup>2</sup> )
Original Table Capacity	50 sheets (22 lb./81.4 g/m <sup>2</sup> )

### PC Controller (Type 4545A): Embedded Type – Optional

Printer Language	RPCS/PJL
Host Interfaces	Ethernet (RJ-45 Network Port: 10Base-T/100Base-TX), USB 2.0
Protocol	TCP/IP, NetBEUI
Supported Resolutions	400 dpi x 400 dpi
Ricoh Network Utilities	WebImageMonitor, SmartDeviceMonitor for Admin, @Remote Device Management
Supported OS	Windows(*) 2000, XP, Server 2003, Server 2008, Server 2008 R2, Vista, 7

### Tape Dispenser (Type 20) – Optional

Tape Feed Length	9.8" (250 mm)
Tape Feed Speed	3.9"/second (100 mm/second)
Dimensions (WxDxH)	6.1" x 4.1" x 2.4" (155 mm x 105 mm x 60 mm)
Weight	1.5 lb./700 g

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

Specifications subject to change without notice.

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