

Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 Printers (4100-HD1/HD2 and 4100-PD1/PD2)

This chapter describes Infoprint 4100-HD1/HD2 and Infoprint 4100-PD1/PD2 printer characteristics. The Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 printers are channel-attached or LAN-attached, continuous-forms printers that use laser and electrophotographic technology to print text, images, graphics, and bar codes at up to 762 ipm (impressions per minute). The Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 printers use the Advanced Function Common Control Unit (AFCCU) based on RISC technology, which provides as standard the Advanced Function Image and Graphics (AFIG) feature and the Decompression Performance Enhancement (DPE) feature. The Infoprint 4100-HD1/HD2 has a hard hot roll which provides high print quality. The Infoprint 4100-PD1/PD2 has a soft hot roll which provides premium print quality.

The Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 printers also have switchable 480/600 pels-per-inch resolution and the Print Quality Enhancement (PQE) function, which smooths edges on diagonal lines, protects fine details, improves the fidelity of images, and allows for adjustment of the boldness of text and the darkness of images.

Figure 45. Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 Printers



[Table 139](#) summarizes the printer characteristics for the Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 printers.

Table 139. Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 Printer Characteristics

Printer Characteristic	Infoprint 4100-HD1/HD2 and 4100-PD1/PD2 Printers Characteristic Value
Print technology	Laser
Datastreams	IPDS
Form type	Continuous
Number of input bins	Up to 16 inch (406 mm) stack of paper (box)
Number of output bins	Up to 14 inch (356 mm) stack of paper
Finisher attachment	n/a
Manual forms feed	n/a
Envelope printing	n/a
MICR printing	yes ¹
Duplex printing	yes
Color	yes ¹
Adjust print-quality levels	yes

Print resolution	480 dpi 600 dpi
Maximum printing rates for letter (8.5 x 11 inches)	
inches per second	35
inches per minute	2100
Maximum printing rates for letter in pages per minute ²	
1-up landscape (8.5 inches long) simplex	247
1-up landscape (8.5 inches long) duplex	494
2-up portrait (11 inches long) simplex	381
2-up portrait (11 inches long) duplex	762
Maximum printing rates for 6 inch x 9 inch in pages per minute ¹	
3-up portrait (9 inches long) simplex	700
3-up portrait (9 inches long) duplex	1400
Maximum printing rates for A4 (210 x 297 mm)	
mm per second	889
mm per minute	53340
Maximum printing rates for A4 in pages per minute ²	
1-up landscape (210 mm long) simplex	333
1-up landscape (210 mm long) duplex	666
2-up portrait (297 mm long) simplex	359
2-up portrait (297 mm long) duplex	718
Maximum printing rates for A5 (210 x 148 mm) in pages per minute ¹	
3-up portrait (210 mm long) simplex	761
3-up portrait (210 mm long) duplex	1522
Maximum usage in pages per month (duty cycles) ³	
Letter: 1-up landscape (8.5 inches long)	12,100,000 duplex
Letter: 2-up portrait (11 inches long)	18,800,000 duplex
A4: 1-up landscape (210 mm long)	12,400,000 duplex
A4: 2-up portrait (297 mm long)	17,500,000 duplex
6 x 9: 3-up landscape	34,400,000 duplex
A5: 3-up landscape (210 mm long)	37,500,000 duplex
<ol style="list-style-type: none"> 1. Customer Changeable Developer is available allowing the operator to change the developer, helping to increase system availability for MICR or highlight color printing. Please contact your IBM sales representative for availability status. 2. Maximum printing rate is the maximum number of pages of the indicated size and configuration that can be printed at the constant speed of paper movement shown for each printer. Rates for pages of different sizes and configuration can be calculated by dividing the form length into the printer speed. Actual printing rate will be less if the printer cannot reach this rate due to complexity or density of the data or the ability of the system to deliver data at this rate. 3. Maximum usage is based on operating 7 days a week, 24 hours a day, at maximum printing rate with normal maintenance and operations activity. IBM does not recommend reaching this monthly maximum on consistent basis. 	