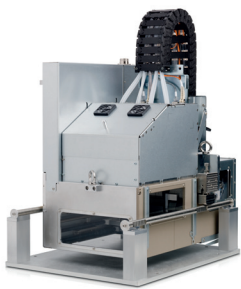# HP C500 Color Print Module

Add color images, graphics, and variable data to envelopes and documents for more effective communication with the new HP C500 Color Print Module—a modular print solution that easily and cost-effectively integrates into your existing equipment.

Excellent color print quality at high speeds

Increase promotional effectiveness and response rates with high-speed, high-quality variable color added to envelopes and web-printed pages. Produce color images, graphics, and variable data 600 dpi (600x300 dpi optimized from 300x300 input) at 500 fpm with four 4.25" printheads.

- See high-quality color output that is delivered quickly

- Auto-servicing printheads from HP optimize color quality and enable consistent, reliable operation

- Achieve quality color and save time with HP inks and two auto-switching 775-ml ink containers for each color

- Also available different-sized ink containers to accommodate various printing needs.

Affordably add process color to your envelopes and documents

Offering a low total cost of ownership, the HP C500 Color Print Module is an affordable option for adding process color, especially versus standalone equipment. Plus you save time and money with automatic maintenance and low processing costs.

Print modularity—designed for easy integration

The HP C500 Color Print Module has a modular design to easily integrate with your existing equipment and workflow.

- Easy to integrate with your existing analog or finishing equipment

- Flexible implementation—integrate the HP C500 Color Print Module where it's most convenient for your workflow

- Easy movement for different print zones across the web with new precision mounting.

HP C500 Color Print Module

Technical Specifications

General Description	HP Scalable Printing Technology system for process color variable data printing with four easily replaceable printheads including: • Intelligent Print Driver (IPD) • Intelligent Ink Supply Station (I2S2) • Intelligent Service Station (ISVS) • Back-end data pipeline (IPIPE)
Printheads	4 x 5 die TIJ 4 printheads (one per color) 2 columns per printhead @ 5,280 nozzles each 10,560 nozzles total per printhead 42,240 total nozzles per print module
Print Swath	108 mm (4.25")
Resolution	600 dpi (600x300 dpi optimized from 300x300 input)
Drop Size	6–9 ng/drop (depending on ink type)
Print Speed	Up to 2.5 m/sec (500 fpm)
Time Between Pages	5 ms minimum
Image Processing Time	22 ms/Mpixel @ 300x300 input resolution
Ink Types Available	Dye-based
Ink Colors	Cyan 6 ng drop Magenta 6 ng drop Yellow 6 ng drop Black 9 ng drop
Bulk Ink Supplies	2 hot-swappable 775 ml ink supplies per color Larger supplies available for web applications
Color Capabilities	CMYK process color
Printhead Identification	Smart chip
Printhead Servicing	Automated servicing (wiping, capping, spitting)
Pen to Paper Spacing	1.2–2.0 mm for optimum print quality
Printhead Orientation	Printing vertically downward
Printhead Replacement Time	<5 MIN
Printhead Shelf Life	18 months in original packaging
Average Printhead Life	~70 liters/printhead
Optimum Operating Environment	15–35 °C, 20–80% RH
Imager Dimensions	483 mm (19")H x 432 mm (17")D x 508 mm (20")W

For more information visit: www.hp.com/go/printmodules