HP Scanning Imager 1100

Print high-throughput, high-quality color

Deliver with a fast, reliable HP print mechanism

Based upon HP's fast and sturdy HP OfficeJet Pro platform, the HP Scanning Imager 1100 is built to perform and last using proven HP technology.

The HP Scanning Imager 1100 includes:

• Print mechanism up to 8.5 x 6000-inch (W x L) scanning print zone

• Two printhead stalls

• Four ink cartridge stalls

• Printhead service station

• Proven path for flexible media

The HP Scanning Imager 1100 delivers blazing speed and high quality with its ability to use 7/8-inch high, 1200 dpi printheads. Its 4,224 nozzles per imager mean reliable, trouble-free printing.

The HP Scanning Imager 1100, available through December 2016, provides easy access to the printing supplies and works with most popular operating systems, including Microsoft® Windows® XP, Windows® Vista, and Windows® 7. Additional operating systems may be added in the future.

The HP Scanning Imager 1100 offers:

• Fast 3.4 inches per second scanning imager speeds, with unattended color printing using a wide 7/8-inch printhead

• Customer-replaceable printheads and high-capacity ink cartridges for low total cost of ownership

• A desktop printer development platform for high-throughput, high-quality color printing on a wide variety of smaller media such as labels and personal identification products

Powerful performance, low total cost of ownership, unattended printing, and overall ease of integration combine for the functionality you and your customers want from a high-volume print engine.

Lower your total cost of ownership

When you're able to print unattended jobs overnight, your throughput increases dramatically. The HP Scanning Imager 1100, with high-capacity ink cartridges, lets you do just that: set up a job, hit print, and walk away. Front panel lights indicate when supplies are low, so an operator can see printer status from across the room, saving time.

The ink cartridges have separate, long-life HP printheads—so you aren't paying for extra parts before you need them. Just replace the ink or printhead as needed. The easy-to-use ink cartridges and printheads simply snap in and out, adding further convenience and value.

HP water-based inks are contained in the cartridge—there's no need to address many of the environmental, health, and safety considerations of solvent-based inks or invest in VOC fume extraction hoods or HEPA filters.

Build upon advanced HP printing technology

The HP Scanning Imager 1100 features HP's Scalable Printing Technology (SPT). The sophisticated assembly of the HP SPT printhead enables a faster development cycle at a lower cost. The printhead components are fabricated as one unit, resulting in the precise alignment of the chamber, nozzles, and heating element, which further improves the accuracy of the ink placement. The Scalable Printing Technology supports an increased nozzle density with an industry-leading 4,224 nozzles per imager. This allows higher quality, consistent printing at faster speeds—get the same great results from print to print. Resolution is up to 1200 x 1200 dpi in color.

The HP Scanning Imager 1100 features a four-color HP ink system with precise, accurate colors. High-performance Original HP inks are designed to provide high-quality results along with high-productivity performance.

Choose the Original HP ink solution matched to your needs—the dye-based ink solution (CMY with dye- or pigment-based black) ideal for applications requiring vibrant color, the dye-based ink solution (with invisible long-wave blue UV-fluorescent ink) ideal for advanced security printing, or the 100% pigment-based ink solution ideal for applications requiring more durability[1]. Separate dye/pigment-compatible bi-color printheads in black/yellow, cyan/magenta, UV-fluorescent blue/yellow, and large separate ink cartridges keep intervention and running costs at a minimum. Designed together, Original HP inks and printheads for the HP Scanning Imager 1100 provide reliable, high-productivity performance.

Customize and integrate with ease

Working with the HP Specialty Printing Systems (SPS) team, the HP Scanning Imager 1100 offers a proven printer platform that can be easily customized and integrated by OEMs.

HP SPS application engineers and our third-party development partners work closely with OEMs, providing engineering services, tools, and guides to ensure quick and easy integration, with firmware that can be modified to specific OEM applications. The team works with you to scope your specific integration needs and can write up an engineering services agreement to meet your budget.

Software drivers can be tailored to present a feature-rich user interface (with or without OEM brand identity) or can be simplified to offer only the functions required for the application. Printer-driven GPIOs (general purpose input/output) can be programmed for OEM-specific uses.

HP SPS and its third-party development partners are there to help integrate the HP Scanning Imager 1100 into your solutions. OEMs can amortize development costs over a long period, since typical product life is five years.

[1] On Brady ToughJet Durable Adhesive Sheets. Fade–and water–resistance testing by HP Image Permanence Lab according to ISO 18930 Accelerated Outdoor Simulation testing methodology. Ink performance may vary based on media, printing system, and environmental conditions.

Original HP dye-based ink solution
5 ink cartridges (cyan, magenta, yellow, black-dye, and black-pigment option) and
3 printheads (black/yellow dye, black pigment/yellow dye, and cyan/magenta dye)

Original HP pigment-based ink solution
4 ink cartridges (cyan, magenta, yellow, and black pigment) and 2 printheads
(black/yellow pigment and cyan/magenta pigment)

LWB UV Fluorescing dye-based ink solution
HP original ink cartridges (cyan, magenta, yellow dye) and long-wave blue UV-fluorescent
dye ink cartridge along with 2 printheads (long-wave blue UV/yellow dye and
cyan/magenta dye)

What are the advantages of HP Thermal Inkjet (TIJ) technology?

Why choose HP?

HP is a worldwide leader in imaging and printing technologies.

We bring innovative, reliable, and easy-to-use solutions to a variety of industrial markets.

As pioneers of thermal inkjet printing, HP knows the technology inside and out.

Cost-effective. Requires no warm-up cycle and no downtime. When it's time to replace an ink cartridge or printhead, change only the one that needs replacing.

Easy to use. With thermal inkjet technology, there is no need for service technicians qualified to handle volatile solvents, and no noxious fumes. No special training is required to operate and maintain thermal inkjet printers. The ink cartridges and printheads snap in and out for easy replacement.

Fast. Thousands of tiny nozzles firing at high frequency allow high-quality printing at high speeds.

Reliable. HP TIJ is less sensitive to air bubbles in the firing chamber than other printing technologies, avoiding print-quality problems and delays caused by trapped air.

Flexible. Supports a wide variety of media.

High quality. HP TIJ places smaller drops more accurately, producing consistently superb image and text quality.

Technical specifications

Print speed	Up to 3.4 inches per second
Media width	2.5 inches minimum and 8.5 inches maximum
Borderless printing	Up to 8.5-inches wide
Resolution	Up to 1200 x 1200 dpi
Interfaces	USB 2.0, built-in wired Ethernet, GPIO
Printer driver support	32 and 64 bit for Windows® XP, Windows® Vista, and Windows® 7
Firmware	Customizable sequence and field upgradeable
Power consumption	Active: 28 watts, Standby/ready: 6 watts, Off: (240 V): 0.6 watts; (110V): 0.4 watts
Power supply type	External universal power supply
Power requirements	Input voltage 110 to 127 VAC (±10 percent), 50/60 Hz (±2 Hz); 220 to 240 VAC (±10 percent), 50/60 Hz (±2 Hz)
Acoustics	Power: LwAd 6.8 (BA), Pressure: (bystander): LpAD 61(dBA)
Operating environment	Operating temperature: 15 to 35° C / 59 to 95° F, Recommended operating temperature: 20 to 30° C / 68 to 86° F, Relative operating humidity: 20 to 80%
Non-operating environment	Storage temperature: -40 to 60˚ C / -40 to 140˚ F, Relative humidity: 10 to 80%
Dimensions	19.35 x 11.81 x 8.37 inches; 496 x 300 x 212.5 millimeters (W x D x H)
Weight	19 lb / 7.9 kg (scanning imager only)

Printing supplies technical specifications | Original HP printheads and ink cartridges

Product		Original HP dye-based ink solution (pigment-based black and UV-fluorescent blue options)									Original HP pigment-based ink solution					
		Ink supplies									Printheads					
		dye					pigment									
	Color	Cyan	Magenta	Yellow	Black	UV	Cyan	Magenta	Yellow	Black	k/y	c/m	k/y	k/y	c/m	LWB/ yellow
	type	dye	dye	dye	dye	dye	pigment	pigment	pigment	pigment	dye	dye	pigment/ dye	pigment	pigment	dye
	SKU	CG311A	CG312A	CG313A	CG317A	B3F45A	CV125A	CV126A	CV127A	CB890A	CG316A	CG372A	CG371A	CV123A	CV124A	B3F44A
Average delivered ink		28 ml		69 ml			28 ml			66 ml	N/A					
Resolution		N/A					N/A				1200dpi					
Nozzle count		N/A					N/A				2012					
Print swath		N/A					N/A				7/8-inch (22.23 mm)					
Maximum firing frequency		N/A					N/A				24 kHz					
Average drop volume		N/A					N/A				9 pl	6 pl	9 pl	9 pl	6 pl	9 pl
Operating conditions		15 to 30° C / 59 to 86° F, 10 to 80% RH														
Shipping/storage conditions		5 to 40° C / 41 to 104° F, 20 to 85% RH														

* For one time only during the life of the product, cartridges and printheads can withstand a temperature profile of approximately -40 to 60° C (-40 to 140° F), with 10 to 80% RH.

Ordering information

Part number and description	**CG319A**	HP Scanning Imager 1100
	CB903A	HP Scanning Imager software license

	Original HP dye-based ink solution (pigment-based black and UV-fluorescent blue options)		Original HP pigment-based ink solution	
Ink cartridges	**CG311A**	HP Cyan XL Dye Ink Cartridge	**CV125A**	HP Cyan XL Pigment Ink Cartridge
	CG312A	HP Magenta XL Dye Ink Cartridge	**CV126A**	HP Magenta XL Pigment Ink Cartridge
	CG313A	HP Yellow XL Dye Ink Cartridge	**CV127A**	HP Yellow XL Pigment Ink Cartridge
	CG317A	HP Black XL Dye Ink Cartridge	**CB890A**	HP Black XL Pigment Ink Cartridge
	CB890A	HP Black XL Pigment Ink Cartridge		
	B3F45A	HP Invisible Long-wave Blue UV-fluorescent Dye Ink Cartridge		
Printheads	**CG316A**	HP Black/Yellow Dye Printhead	**CV123A**	HP Black/Yellow Pigment Printhead
	CG371A	HP Black Pigment/Yellow Dye Printhead	**CV124A**	HP Cyan/Magenta Pigment Printhead
	CG372A	HP Cyan/Magenta Dye Printhead		
	B3F44A	HP Invisible Long-wave Blue UV-fluorescent/Yellow Dye Printhead		

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