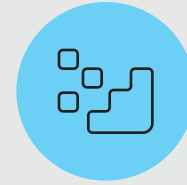


Original HP Cartridge chips



BRIEF



SMALL, YET MIGHTY

Discover the value of Original HP Cartridge chips

When purchasing print cartridges, you want to know that you're getting the best quality product for your money, but how can you be sure that your cartridges weren't compromised during production or transportation? HP has the answer. Original HP Cartridge chips are certified for supply-chain security, helping ensure product integrity throughout the cartridge lifecycle.¹



CERTIFIED SUPPLY-CHAIN SECURITY

In today's changing work and technology environments, choosing products and supplies that adhere to the strictest security standards is vital for mitigating malicious tampering and counterfeiting in the supply chain.

In response to these changing needs and concerns, HP has obtained ISO/IEC 20243 certification for its Original HP Toner and Ink Cartridges.¹ This set of guidelines, requirements, and recommendations help assure product integrity and supply chain security throughout the lifecycle of the cartridge.



CONSTANT PROTECTION

Cartridge chips constantly communicate with the printer over the life of the cartridge. Smart card technology helps protect the Original HP Cartridge chip from reprogramming, ensuring non-stop security for your printing investment, data, and network.

Gain peace of mind with ISO/IEC 20243-certified Original HP Cartridges, which are tested and tracked from the creation of the chip, to the packaging, distribution, and purchase of the cartridge. All along the supply chain, measurement and monitoring helps prevent any tampering that could potentially compromise the security between the cartridge and printer.



THE RIGHT PROCUREMENT CHOICE

Product security and integrity can be compromised at multiple different points during the product lifecycle, including the design, sourcing, build, fulfillment, and distribution. In addition, security risks are always changing, so staying up-to-date on the latest concerns, trends, and standards can help you make the best choice for your office or enterprise.

HP helps make your procurement decision easier. By choosing ISO/IEC 20243-certified products, like Original HP Cartridges, you can gain peace of mind, knowing that this international standard helps assure that your cartridge chip, sensitive data, printing equipment, and network stay protected from tampering, counterfeit products, or cyberattacks.²

"Procuring ISO/IEC 20243-certified technology has only grown in importance in recent years, given the increased sophistication of cyberattacks, the global nature of the printer cartridge manufacturing and supply chains, and the expansion of work to less-secure home environments."

– Keypoint Intelligence²



In addition to certified supply-chain security, Original HP Cartridge chips also help provide supply optimization and management.

Did you know?

Dynamic Security on Original HP Cartridges provides firmware updates that can improve, enhance, or extend the printer's functionality and features—and protect against external security threats.³

Supplies-level management

Like a gas gauge in your vehicle, the chip communicates with your printer, allowing you to see how much ink/toner you have remaining before needing to reorder supplies. HP chips on inkjet cartridges monitor ink levels to help prevent printhead damage when the cartridge is completely out of ink.

Authentication and Compatibility confirmation

Following cartridge installation, proprietary HP firmware on the chip authenticates the cartridge, confirming that an Original HP Cartridge has been installed as opposed to a third-party cartridge or chip. In addition, electronic keying helps the chip checks for proper installation and cartridge compatibility, ensuring that the correct cartridge is installed properly.

Consistent print quality

In Original HP LaserJet Toner Cartridges, the HP chip is used to make necessary adjustments to the various components—assuring that the cartridge will provide optimum print quality even as components inside the cartridges start to wear.

In Original HP Ink Cartridges, the HP chip includes technology packages with resources and recipes that make color maps to transform colors from the source to the different colors in the target image. This allows the cartridge to deliver optimal print quality over its life on different papers.

Worry-free recycling

No personally identifiable information is stored on the HP chip, so you can feel confident when recycling your cartridge.

1. See ISO/IEC 20243:2018 Open Trusted Technology Provider™ Standard Certification Register certification.opengroup.org/register/https-certification and keypointintelligence.com/HPCartridgeISO20243.

2. See keypointintelligence.com/HPCartridgeISO20243.

3. Dynamic Security-enabled printers are designed to be used with cartridges using unmodified Original HP electronic circuitry. Cartridges using modified or non-HP electronic circuitry may not function or may cease to function in the printer.

