

# How original HP Cartridges help protect your printer



Printers – an often-ignored security vulnerability



**37%**  
of managed print services users had higher confidence on print security.

Printer security is often overlooked. Only 26% of respondents were confident their print infrastructure would stand secure in fully reopened offices. Confidence was higher among users of managed print services (37%), who reported their print security as more robust, and their challenges were fewer.<sup>1</sup>

Studies have shown that print systems can be the back door to sensitive data. With that in mind, businesses need to secure their printers and maintain a clean, secure document environment.<sup>2</sup> Furthermore, 53% of IT decision-makers said they find it hard to keep up with print security challenges. This figure was higher among CIOs (61%) than CISOs (44%).<sup>1</sup>

## Top security risks:<sup>3</sup>



UNAUTHORIZED  
ACCESS/  
UNCOLLECTED  
DOCUMENTS



UNSECURED DATA



MOBILE DEVICE  
PRINTING



Imitation cartridge chips could be reprogrammed to add malicious code to your printer.<sup>4</sup>

Even though many printers today have advanced security features, they can still be vulnerable to cyber threats, especially when imitation cartridges are used.

These cartridges are a tempting choice for procurement and office managers because they promise the same performance as genuine cartridges for a fraction of the price. But they may not be aware that these low-price cartridges expose the organization to very high risks of a security breach.

## How imitation cartridges could dismantle your defenses

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Imitation cartridges may contain chips that have been reprogrammed to infiltrate malware into the printer.

If successful, they can launch denial-of-service (DOS) actions, add malicious code, or spread malware into your network. Much worse, sensitive business data may get compromised.

As per the Quocirca Print Security Landscape 2022 Study, in the past 12 months, over two-thirds (68%) of organizations have experienced data losses due to unsecured printing practices; this led to an average cost of a print-related data breach of €755K. Unfortunately, while an MPS is a great way to protect print jobs from data breaches, companies are not adopting this new print management method fast enough. As a result, data losses continue to happen and have devastating effects.<sup>5</sup>

Imitation cartridges are small items that can inflict large-scale damage. They present an unnecessary risk to organizations – which can be avoided by making the right procurement decisions.

## Enhance your security strategy with Original HP Cartridges and HP Printers

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With Original HP Cartridges, security is incorporated into every step of the design, supply chain, and production process. Original HP office cartridge chips are certified as EAL5+ and/or are manufactured in facilities where products achieved EAL5+ certification.<sup>4</sup>

The HP proprietary firmware on cartridge chips cannot be modified or reprogrammed by third parties after production. HP chips in Original HP office cartridges contain tamper-resistant proprietary HP firmware, which helps prevent modification by third parties after production and helps reduce the risk of malicious code entering the chip.<sup>4</sup>

# Why you can rely on Original HP Cartridges for robust printer security

## Cartridge chip security

HP chips in Original HP office cartridges contain tamper-resistant proprietary HP firmware, which helps prevent modification by third parties after production and helps reduce the risk of malicious code entering the chip.<sup>4</sup>

## Supply chain security

Throughout the supply chain, security is fundamental. Rely on HP's digital tracking through the HP supply chain, customer verification at the point of purchase.<sup>4</sup>

## Packaging security

Specially-constructed designs and glues contribute to the tamper-evident packaging of Original HP office cartridges.<sup>4</sup>



HP chips in Original HP office cartridge contain tamper-resistant proprietary HP firmware.

It further reinforces your printer security measures with secure smart card technology that is commonly found on chip-based credit and debit cards.

Both layers of packaging have also been designed for security - with a tamper-evident label on the tear strip, as well as a zip-strip sealed inner package. Security is fundamental, from end to end in the supply chain.

HP printers, with best-in-class security, are reinforced by Original HP Cartridges. Working together, they provide complete printer security for HP customers.

HP mitigates security risks in the supply chain to help reduce the chance of malicious code entering the toner cartridge chip.<sup>4</sup>

## Discover how Original HP Cartridges meet your print security needs.

[Learn more](#)

### References:

1 Jan 2022, Computer Weekly, [IT departments struggling to secure printer endpoints](#)

2 Jun 2022, Impact, [Printer Security: Why It Matters to SMBs](#)

3 Jun 2021, Visual Edge IT, [PRINTERS: THE OVERLOOKED CYBER SECURITY RISK](#)

4 HP office-class printing systems are select Enterprise and Managed devices with FutureSmart firmware 4.5 and up, Pro devices, LaserJet models 200 and up, with respective Original HP Toner, PageWide and Ink Cartridges. Does not include HP integrated printhead cartridges. Digital supply-chain tracking, hardware, chips and packaging security features vary locally by SKU. See [hp.com/cartridgesecurity](https://hp.com/cartridgesecurity).

5 Nov 2021, [Quocirca Print Security Landscape](#)



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