



# Enhance security and improve productivity with unified printer authentication across your organisation

HP proximity, smart card, and Bluetooth® Low Energy (BLE)/NFC-enabled card readers



## What if you could...

- Help protect confidential documents by releasing print jobs only to the right user?
- Enhance the security of networked printers by easily and accurately authenticating users?
- Support a wide variety of proximity and smart cards, and digital credentials on mobile devices with one reader?
- Leverage the flexibility and accessibility of mobile credentials for secure print release on HP MFPs and printers?
- Meet Health Insurance Portability and Accountability Act (HIPAA) privacy requirements for access to patient records?

## With HP's proximity card readers with mobile credential support—you can.

### Multicard authentication for HP printers

Unified, enterprise-wide access control no longer has to be cumbersome or expensive. Now you can protect confidential information and manage access to printing and imaging devices by enabling user authentication through access cards, badges, and digital credentials on mobile devices. HP dual frequency card readers incorporate multiple communication technologies and support the wide range of proximity cards, secure-memory smart cards, and digital credentials on mobile devices used for employee and partner identification.

HP card readers are designed to fit into HP's exclusive Hardware Integration Pocket (HIP) for simple, unobtrusive installation in HP network-connected printing devices, including A3, A4, and large-format printers.

### Network security for the world's most secure MFPs and printers<sup>1</sup>

HP printers and MFPs are the most secure printing devices in the world.<sup>1</sup> But it's easy for customers to overlook the fact that these network-connected devices serve as access points to the corporate network. As with any network endpoint, organisations need to actively control who has physical access and how. With HP proximity card readers, it's easy to secure networked printers and MFPs.



HP card readers support proximity cards, smart cards, and digital credentials on mobile devices. These readers are the front end of **fully integrated solutions that secure access to devices and data** across the network, end to end.



### Accurate authentication, end to end

Help eliminate the errors that can occur with individual, device-level identity and access management. HP proximity card readers are the front end of fully integrated solutions that secure access to devices and data across the network, end to end. They enhance accuracy and accountability in compliance with corporate policies and governmental privacy regulations such as HIPAA and General Data Protection Regulation (GDPR).

### Improved productivity

Authorised users can securely access network-connected MFPs and printers by simply flashing their physical employee badge or digital credential on a mobile device at the reader. With no PINs or passwords required, it's the most secure, convenient, and efficient way to provide user credentials for authentication.

### Easy installation across the printer fleet

HP card readers fit into two designs of the Hardware Integration Pocket on HP printers and MFPs. The card readers are configured using the HP Card Reader Configuration Utility.

## Wide-ranging, versatile support



HP proximity card readers support both HP and select non-HP devices. They communicate with the printing device and a variety of software applications using two primary communication protocols: HP MFP24 and keyboard emulation (Keystroke). The HP HID Mobile Access® BLE MIFARE Card Reader (35H11A) supports digital credentials on mobile devices using BLE and NFC.

### HP Universal Card Reader (X3D03A)

The HP Universal Card Reader is dual-band, features the MFP24 communication protocol, and is designed for the HP HIP. The card reader supports a wide range of proximity cards (125/132 kHz) and an impressive list of 13.56 MHz frequency credentials including HID ID, SE®, and Seos®. HP's Universal Card Reader can read up to four different card configurations simultaneously. For details, see the [HP X3D03A Card Reader Data Sheet](#).<sup>2</sup>

### HP LEGIC Card Readers (4QL32A)

These powerful card readers fit the HP HIP and support 13.56 MHz LEGIC card technologies. They support both non-secure and secure memory capabilities for LEGIC advant and prime card types and feature adjustable volume control. The HP LEGIC card reader also supports a long list of additional 13.56 MHz card types. For details, see the [HP LEGIC Card Reader Data Sheet](#).<sup>3</sup>

### HP HIP2 Keystroke Card Reader (Y7C05A)

This dual-band, keystroke card reader is designed for the HP HIP. HP's HIP2 Keystroke card reader can read up to four different card types simultaneously, is multivendor printer hardware compatible, and supports nearly any secure pull-printing software application. The card reader supports a wide range of proximity cards (125/132 kHz) and an incredible list of 13.56 MHz frequency credentials including HID ID, SE, and Seos. For details, see the [HP Y7C07A Card Reader Data Sheet](#).<sup>4</sup>

### HP HID Mobile Access BLE MIFARE Card Reader (35H11A)

The powerful HP HID Mobile Access BLE MIFARE Card Reader supports both ID badges and digital credentials on a mobile device. The card reader works with a wide range of proximity cards (125/132 kHz) and contactless smart cards (13.56 MHz), including secure HID Seos and the family of MIFARE secure memory credentials: DESFire®, Classic, Ultralight, and Plus. HID Mobile Access credentials can be used on both iOS and Android™ operating systems. For details, see the [HP HID Mobile Access BLE MIFARE Card Reader Data Sheet](#).<sup>5</sup>

## Ordering information

Product #	Product name	Protocol	Supported card type
X3D03A <sup>6</sup>	HP Universal Card Reader	HP MFP24	13.56 MHz card types: aptiQ CSN (MIFARE), aptiQ CSN (MIFARE DESFire EV1), CEPAS, e-Tag CSN, FeliCa Lite, HID iCLASS, CSN, I Tag CSN, I-Code CSN, Identiv, ISO 14443A CSN, ISO 14443B, ISO 15693A CSN, LEGIC advant CSN, MIFARE Classic CSN, MIFARE DESFire CSN, MIFARE DESFire EV1 CSN, MIFARE Plus (Encenutate), MIFARE Plus (NXP), MIFARE Ultralight CSN, my-d (Infineon), Oyster, SecuraKey, Tag-It (Texas Instruments), Topaz, XceedID  125/132 kHz card types: AWID, Cardax UID, CASI-RUSCO, CDVI, Cotag, Deister UID, Digitag, Dimpna UID, EM 410x, EM 410x Alternate, EM 410x/Marin, EM 410x/Marin Alternate, GProx-II ID, GProx-II UID, HID Prox, HID Prox UID, HiTag 1/S, HiTag 1/S Alternate, HiTag 2, HiTag 2 Alternate, IDTECK, IDTECK Alternate, Indala ASP Custom, Indala ASP+ Custom, Indala ECR Custom, Indala/Motorola ASP 26 Bit, Indala/Motorola ASP UID, ioProx/Kantech, ISONAS, Keri 26-bit UID, Keri 32-bit UID, Keri NXT/Farpointe/Pyramid 26 Bit, Keri NXT/Farpointe/Pyramid UID (128 bit), Nedap, NexWatch/Nexkey/Honeywell, Paradox, Radio Key, ReadykeyPRO UID, Rosslare, Corbin Russwin UID, Urmet  <b>Additional reader capabilities of the 35H11A:</b>  Support for mobile credentials: HID Mobile Access  13.56 MHz secure memory/smart card types: MIFARE DESFire EV1, EV2, MIFARE Classic, MIFARE Ultralight, MIFARE Plus HID SE/Seos
Y7C05A <sup>6</sup>	HP HIP2 Keystroke Reader	Keystroke	
35H11A	HP HID Mobile Access BLE MIFARE Card Reader	Keystroke	
4QL32A	HP LEGIC Card Reader	HP MFP24	13.56 MHz card types: LEGIC advant Secure Memory, LEGIC prime Secure Memory, LEGIC advant CSN, LEGIC prime CSN, aptiQ CSN (MIFARE), aptiQ CSN (MIFARE DESFire EV1), e-Tag CSN, FeliCa, HID, iCLASS CSN, I-tag CSN (IBM), I-Code CSN, ISO 14443A CSN, ISO 14443B, ISO 15693A CSN, MIFARE Classic CSN, MIFARE DESFire CSN, MIFARE DESFire EV1 CSN, MIFARE Plus (Encenutate), MIFARE Plus, (NXP), MIFARE Ultralight CSN, my-d (Infineon), Oyster, SecuraKey, Tag-It (Texas Instruments), XceedID
Y7C07A	HP SIM for HID iClass for HIP2 Readers: X3D03A, Y7C05A		13.56 MHz card types: iCLASS ID, SE and Seos secure memory SIM installs in HP readers: X3D03A, Y7C05A
Y7C06A	HP Ethernet 241 External Box		
8ZN00A	HP HIP2 Card Reader Accessory Kit		8ZN00A HP HIP2 Card Reader Accessory Kit is designed to be used when the Hardware Integration Pocket is not available on the printer or MFP for reader installation, and supports the full portfolio of HP Card Readers:  HP HIP2 Card Readers: X3D03A, Y7C05A, 4QL32A, 2FG93A, 35H11A

<sup>1</sup> HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2021 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: [hp.com/go/PrintersThatProtect](https://hp.com/go/PrintersThatProtect). For more information, visit: [hp.com/go/PrinterSecurityClaims](https://hp.com/go/PrinterSecurityClaims).

<sup>2</sup> HP X3D03A Universal Card Reader data sheet: <http://h20195.www2.hp.com/v2/GetPDF.aspx/4aa7-9973eew.pdf>

<sup>3</sup> HP 4QL32A LEGIC Card Reader data sheet: <https://h20195.www2.hp.com/v2/GetPDF.aspx/4aa7-4796eew.pdf>

<sup>4</sup> HP Y7C05A HIP2 Keystroke Card Reader data sheet: <http://h20195.www2.hp.com/v2/GetPDF.aspx/4aa7-9974eew.pdf>

<sup>5</sup> HP 35H11A HID Mobile Access BLE MIFARE Card Reader data sheet: <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-0069EEW>

<sup>6</sup> The following solutions have been tested by HP and verified as compatible with the X3D03A reader: HP Access Control, HP Secure Print, Genius Bytes GeniusMFP, Kofax SafeCom, LRS MFPsecure/Print for HP, YSoft SafeQ. For other compatibility inquiries for the X3D03A and Y7C05A readers, please check with the solution providers.

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[hp.com/go/printsecurity](https://hp.com/go/printsecurity)



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