Data sheet

Trusted authentication for the world's most secure printers[1]

HP LEGIC Card Reader

Enable secure authentication for every user and print job

Industry-leading secure print management[1]

Documents should only be accessible to those who are authorised to print and distribute them. Nowhere is security more important than the physical locations of printers shared by large groups of people.

HP leads the industry with self-healing embedded security features[1] that help customers secure their devices and documents at the network and data level. With our HP LEGIC Card Reader, we further enable industry-leading secure print management.

As part of a complete security solution, HP LEGIC readers provide secure authentication, authorisation, and accounting for every user and print job. HP printers and MFPs can be more secure, inside and out.

Powerful authentication, easy integration

This card reader is a flush-mount, ultra-slim form factor designed for the HP Hardware Integration Pocket (HIP). It provides the assurance of highly reliable access to HP devices.

The HP LEGIC Card Reader:

- Supports reader communication protocol: HP MFP24; compatible with HP printers and MFPs
- Includes technology used in contactless smart cards worldwide (operating at the 13.56 MHz standard)
- Delivers tamper-proof data transmission, faster card reading, and hardened copy protection compared to 125 kHz frequency systems
- Supports Advant and Prime unique identifier (UID) and Advant and Prime secure memory
- Reads the UID on 13.56 MHz cards that are compliant with ISO standards 15693 and 14443
- Reads data from secure segments
- Offers configurable secure segment settings to meet customer data security requirements, using the HP Card Reader Configuration Utility
- Secures data exchange for each segment
- Launches the reader securely with a LEGIC SAM63 card
- Supports user-defined encryption keys

Common applications

The integration of the HP LEGIC Card Reader into print management applications paves the way for solutions in a variety of industries, including several listed below:

	Healthcare	Government	Manufacturing	Enterprise	Financial Services
Single sign-on	✓	✓	✓	✓	✓
Time and attendance	✓	✓	✓	✓	✓
Training compliance	✓	✓	✓	✓	✓
Point of sale	✓	✓	✓	✓	✓
Cost control	✓	✓	✓	✓	✓

Product specifications

Model (part number)	HP LEGIC Card Reader for LEGIC Advant and Prime (4QL32A)
Installation	HP Hardware Integration Pocket (HIP2)
Standard contents	Reader and 69.9 mm (2-3/4") short USB RAC MINI USB Cable; User Guide
Operating frequency	13.56 MHz
Interface	USB
Accessory Kit: external installation	HP HIP2 Card Reader Accessory Kit (HP part number: 8NZ00A); Includes external case, 1.8 m (6-foot) USB Type A cable and Mounting Kit, including Velcro strips and cable management clips
Accessory Kit: installation in larger HP HIP1 pocket	HP HIP1 Card Reader Accessory Kit (rf IDEAS part number: KT-HIP1-Accessory); Includes 127 mm (5") USB RAC MINI Female USB and 178 mm (7") USB MINI Male USB cable, HIP1 pocket cover. Contact rf IDEAS, email: sales @rfIDEAS.com
Dimensions	
HIP internal pocket	76.6 x 51.2 x 11.7 mm (3.02 x 2.01 x 0.46 in)
External case	76.6 x 51.2 x 14.7 mm (3.02 x 2.01 x 0.57 in)
Weight	
HIP internal pocket (with 2-3/4" short cable)	26 gm (0.9 oz)
External case (with 6' cable)	70 gm (2.5 oz)
Housing colour	Black
Standard cable length	69.9 mm (2-3/4") short USB RAC MINI USB Cable
Indicators	LED indicator (green, amber, red); Adjustable beeper volume (off, low, medium, high)
Form factor	HIP2 reader is designed to fit flush into the HIP
Power supply	USB (self-powered)
Power consumption	70 mA typical, 100 mA maximum
Environmental ranges	Operating temperature: -30° to 65° C (-22° to 150° F); Storage temperature: -40° to 85° C (-40° to 185° F); Relative humidity, non-condensing: 5% to 95%
Certifications	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; Environmental: RoHS, REACH; For information about other global certifications, please contact HP.
Compliance	HIPAA, CJIS
Compatible operating systems	Windows® XP/7/8.1/10; Linux®
Configuration utility	HP Card Reader Configuration Utility
Other features	User-selectable volume control, including a beeper on/off setting selection Can read up to four different credentials at any one time.
Supported card types	**13.56 MHz card types:** LEGIC Advant CSN/UID, LEGIC Advant Secure Memory, LEGIC Prime CSN/UID, LEGIC Prime Secure Memory, aptiQ CSN (MIFARE®), aptiQ CSN (MIFARE DESFire® EV1), e-Tag CSN (SecureKey), FeliCa, HID® iCLASS® CSN, I Tag CSN, I-Code CSN, ISO 14443A CSN, ISO 14443B, ISO 15693A, MIFARE Ultralight CSN (NFC Type 2), MIFARE Classic (32 bits) CSN, NXP MIFARE Classic CSN, NXP MIFARE DESFire CSN, MIFARE DESFire EV1 CSN, MIFARE Plus (Encentuate), NXP MIFARE Plus CSN, NXP MIFARE Ultralight CSN, my-d (Infineon), Oyster, SecuraKey (PHILIPS) (SecureKey e® tag CSN), Tag-It (Texas Instruments), XceedID

[1] 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 2019 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. For more information, visit hp.com/go/printersecurityclaims.

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