AD-S50-1

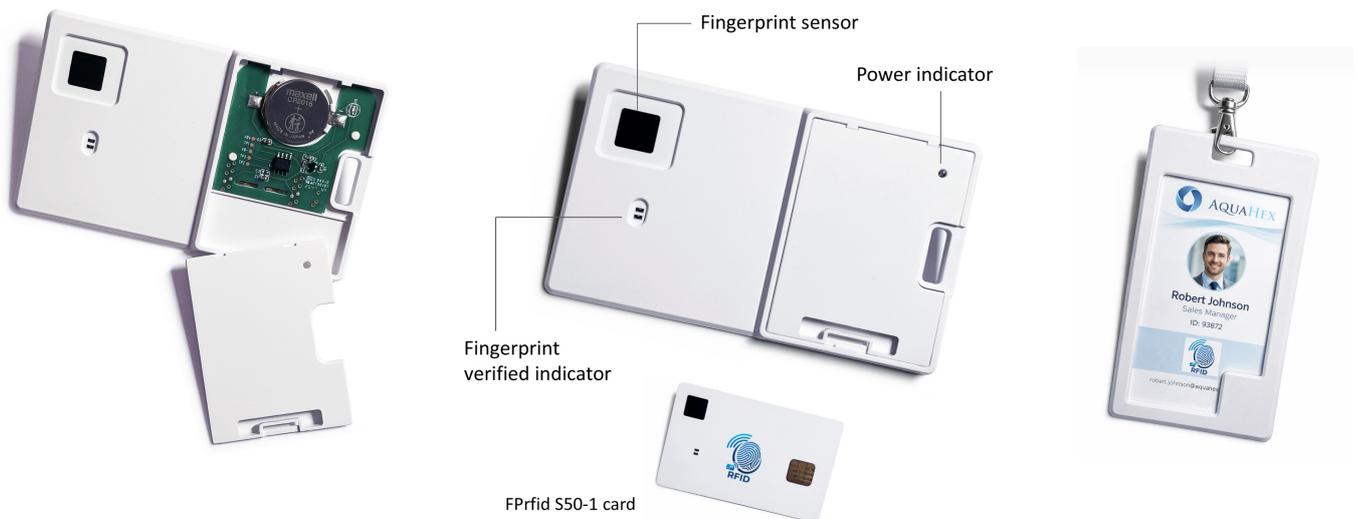## Adapter for Mifare S50 RFID Card, Passive Power

The AD-S50-1 Adapter is designed to improve the compatibility of the **FPrfid S50-1 Fingerprint MIFARE S50 RFID Card** (Passive Power) with standard RFID card readers.

Most RFID readers operate with a 300 ms reading cycle, while the FPrfid S50-1 fingerprint card requires approximately 800 ms to complete fingerprint verification via its built-in MCU before transmitting the UID. In many cases, reader firmware cannot be modified due to security certification restrictions.

The AD-S50-1 Adapter bridges this timing gap, allowing the fingerprint RFID card to operate smoothly with existing readers without requiring firmware changes.

KEY FEATURES & BENEFITS	
Seamless Assistance	allows the FPrfid S50-1 fingerprint RFID card to function smoothly with standard readers
No Firmware Modification Required	eliminates the need to change the reader's reading cycle or firmware
Universal Compatibility	works with most existing RFID readers and infrastructure
Cost-Effective Solution	upgrade security without replacing or modifying installed card readers
Plug-and-Play Design	simple installation and easy deployment

TECHNICAL SPECIFICATIONS	
Model	AD-S50-1
Application	Adapter for FPrfid S50-1 Fingerprint MIFARE S50 RFID Card
Power Source	CR2016 3V Coin Battery
Battery Life	Approx. 6 months (based on 50 uses per day)
Adapter Dimensions	63.13 mm (W) × 105.3 mm (L) × 55.2 mm (T)

Fingerprint sensor

Power indicator

Fingerprint verified indicator

FPrfid S50-1 card

* Features and specification are subject to change without notice.

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