Advanced Card Systems Ltd.
Card & Reader Technologies

FAST **ID**ENTITY **O**NLINE **[FIDO®]**

PocketKey

SECURE & CONVENIENT

ACS's PocketKey provides users the experience of secure and swift passwordless online login. It allows individuals, enterprises and government-scaled agencies to substitute passwords with multi-factor authentication or two-factor authentication, reducing reliance on static passwords.

The device is certified by the FIDO Alliance [FIDO®] and is compliant with FIDO U2F and FIDO2 protocols. The device's cryptographic security model terminates any likelihood of phishing, password/identity theft and repetitive attacks. User tracking can also be prevented by storing FIDO cryptographic keys on-device and creating unique keys for each website.

PocketKey is available as an USB Type-A, and is designed with a mechanical switch. The switch is essential for acknowledging user presence as it ensures that the user is physically present in order to interact with the application.

The security key is also compatible with operating systems such as Windows®, Linux®, macOS and Android™, as well as major web browsers: Chrome™, Safari®, Microsoft Edge® and Firefox®.
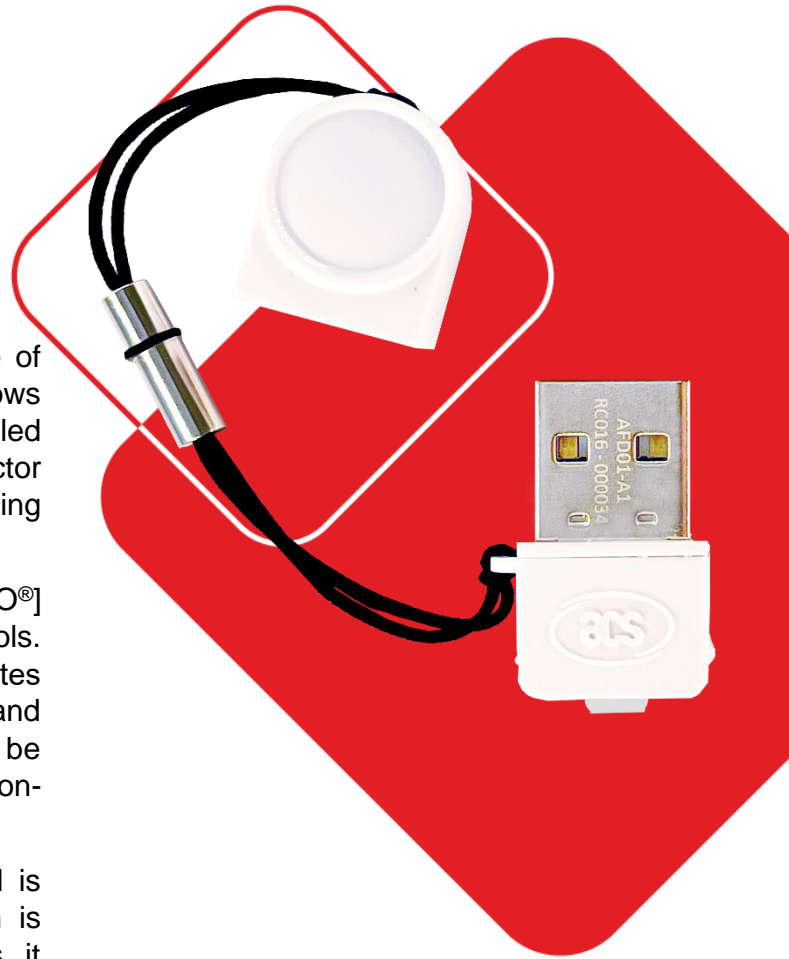
KEY FEATURES

- ☑ **Security Features**
  - o Authenticators
    - ▪ FIDO U2F
    - ▪ FIDO2
    - ▪ FIDO2 CTAP2
  - o Security Model
    - ▪ Cryptographic Security Model
- ☑ **Reliable**
  - o Certified for International Regulations
    - ▪ CE, FCC, UKCA, RoHS, REACH
  - o FIDO® Certified
    - ▪ FIDO U2F
    - ▪ FIDO2 L1
  - o Mean Time Between Failures (MTBF) up to 600k Hours
- ☑ **Compatible**
  - o Supports All Major Operating Systems
    - ▪ Windows®, Linux®, macOS and Android™
  - o Accommodates All Major Web Browsers
    - ▪ Chrome™, Safari®, Microsoft Edge®, and Firefox®

COMMON APPLICATIONS

Enterprises

Financial Services & Payments

Telecom & Mobile

Government

Healthcare & Insurance

fido CERTIFIED FIDO2   fido CERTIFIED U2F L1

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TECHNICAL SPECIFICATIONS

Contact Smart Card Interface	
Supply Current	Max. 100 mA
Cryptographic Specification	ECC p256

Host Interface	
Protocol	USB HID
Connector Type	Standard Type-A
Speed	USB 2.0 Full Speed (12Mbps)

Security Features	
Authenticators	FIDO U2F, FIDO2 FIDO2 CTAP2

Certifications	
System/Standards	FIDO U2F, FIDO2 L1
Regulatory/Environmental	CE, FCC, UKCA, RoHS, REACH

Other Features	
Enterprise Attestation	Upon Request
TOTP/HOTP	Upon Request

Model/Part Number	
Default	AFD01-A1

Physical Characteristics	
Dimensions	29.0mm (L) × 14.5mm (W) × 10.5mm (H)
Weight	4.48 g ± 0.44 g
Available Colour(s)	White

Peripherals	
LED	Blue
User Interface	Mechanical Switch for Presence Validation

Operating Conditions	
Temperature	0 - 65°C
Humidity	95% (Non-Condensing)
MTBF	600,000 Hours
Power Supply	USB Port

Drivers & Support	
Driver Supported OS	Windows®, Linux®, macOS Android™
Browsers	Chrome™, Safari®, Microsoft Edge®, and Firefox®
Key Manager	Support

MECHANICAL SPECIFICATIONS
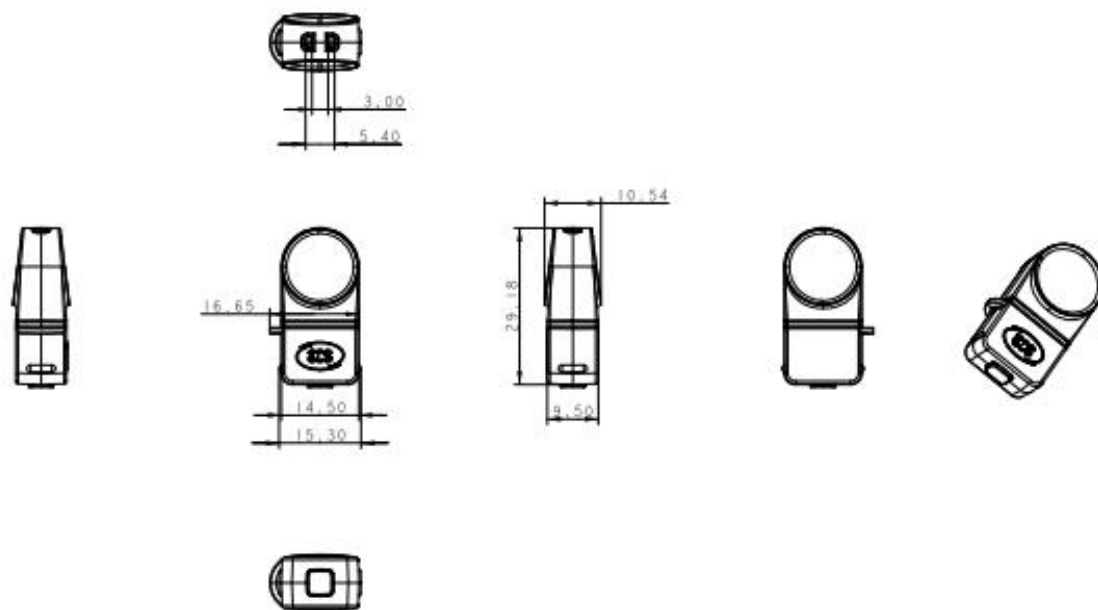
About ACS

Advanced Card Systems Ltd. (ACS), founded in 1995, is Asia Pacific's top supplier and one of the world's top 3 suppliers of PC-linked smart card readers. ACS is the winner of the Product Quality Leadership Award for Smart Card Readers from Frost & Sullivan. In 2010, 2014 and 2015, ACS was listed in Forbes Asia's "Best Under a Billion" list, an inter-industry list comprised of 200 top-performing publicly listed companies in the Asia-Pacific, with sales between US$5 million and US$1 billion. ACS develops a wide range of high-quality smart card reading/writing devices, smart cards and related products and distributes them to over 100 countries worldwide.

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