

# Idem Key

## Technical Manual

This document supports the version of each product listed and supports all subsequent versions until the document is replaced by a new edition. To check for more recent editions of this document, contact [support@GoTrustID.com](mailto:support@GoTrustID.com).

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## Contents

1	Overview of GoTrust Idem Key .....	5
2	Specification of Idem Key -A .....	5
3	Specification of Idem Key -C.....	6
4	FIDO Features.....	7

## About this document

This document describes the features of GoTrust Idem Key.

## Revision History

A revision occurs with each release of the product, or as needed. A revised version can contain minor or major changes. Table 1 lists the versions of this manual.

Table 1. Revision History

Revision	Description
<b>11/04/2018</b>	The first version of GoTrust Idem Key technical manual
<b>30/5/2022</b>	Update information.

## Intended Audience

This manual is intended for user who wants to understand what an Idem Key is and what the Idem Key can do.

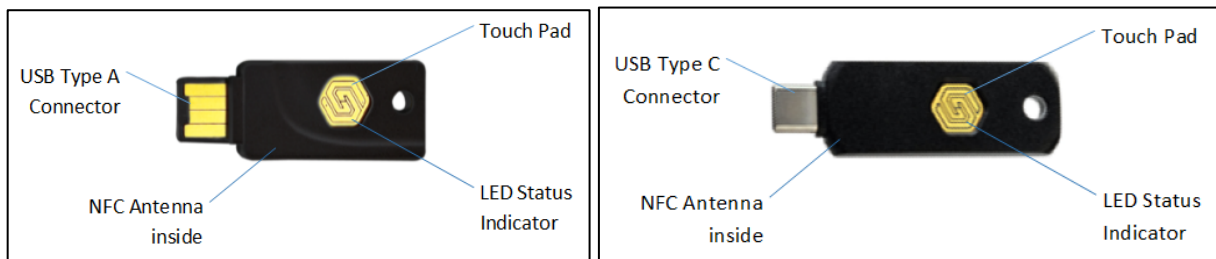
## Document Feedback

GoTrustID Inc welcomes your suggestions for improving our documentation. If you have comments, send your feedback to [support@gotrustid.com](mailto:support@gotrustid.com)

# 1 Overview of GoTrust Idem Key

GoTrust Idem Key, hereinafter referred to as Idem Key, is a revolutionary product solving user identity and 2<sup>nd</sup> factor authentication (2FA) across mobile devices and workplaces. It possesses a number of attractive features listed below:

- 2FA for Google, Facebook, Amazon, Twitter and Dropbox, etc. As one of GoTrust FIDO series products, users can use Idem Key to connect and authenticate to all FIDO U2F and FIDO2 services in USB or NFC supported devices.
- Idem Key enables user presence operations by Touch.
- Idem Key is designed as a standard USB Type A and Type C form factor.



Outlook of Idem Key

# 2 Specification of Idem Key-A



- Application: FIDO2 and FIDO U2F
- Dimensions: 48.2mm x 18.3mm x 4.1mm
- Weight: 4g / 9.2g (with package)
- Physical Interfaces: USB Type A, NFC
- Operating Temperatures: 0°C ~ 40°C (32°F ~ 104°F)
- Storage Temperatures: -20°C ~ 85°C (-4°F ~ 185°F)
- Compliance
  - CE and FCC
  - IP68
- Certification: FIDO2 and FIDO U2F

### 3 Specification of Idem Key-C



- Application: FIDO2 and FIDO U2F
- Dimensions: 50.4mm x 16.4mm x 5mm
- Weight: 5g / 10.5g (with package)
- Physical Interfaces: USB Type C, NFC
- Operating Temperatures: 0°C ~ 40°C (32°F ~ 104°F)
- Storage Temperatures: -20°C ~ 85°C (-4°F ~ 185°F)
- Compliance
  - CE and FCC
  - IP68
- Certification: FIDO2 and FIDO U2F

## 4 FIDO Features

### FIDO2 Certification

Both Idem Key-A and Idem Key-C are certified by FIDO U2F and FIDO2 standard which conforms with CTAP 2.0 specification.

### FIDO2 Credentials

Idem Key supports FIDO2 PIN functionalities with following features.

- FIDO2 PIN does not exist on the new Idem Key. User needs to set PIN himself.
- FIDO2 PIN must be between 4 and 63 characters in length.
- FIDO2 PIN will be locked after subsequence 8 times incorrect PIN entered.
- Once the PIN is locked, user must reset Idem Key to restore the functionality. However, all the credentials (include U2F credentials) will be erased after reset.

### FIDO2 Resident Key

Idem Key can store up to **30 resident keys** in it.

### FIDO2 AAGUID

In FIDO2 specification, it defines an Authenticator Attestation GUID (AAGUID) to be used during the authenticator attestation process. AAGUID consists by a 128 bits identifier.

Product	AAGUID
Idem Key - A	3b1adb99-0dfe-46fd-90b8-7f7614a4de2a
Idem Key - C	e6fbe60b-b3b2-4a07-8e81-5b47e5f15e30