Authentication Devices

Authentication Devices – ActivID® Tokens

It's common knowledge that passwords aren't enough. In fact, weak passwords are the #1 cause of information breaches. In today's age of increasing threats and strict compliance demands, it's critical to move beyond passwords to more secure authentication methods to ensure the person asking for access is who they say they are.

Enter multi-factor authentication. Multi-factor authentication requires the user to prove their identity by presenting two or more pieces of evidence. These factors can include something they know, something they have, or something they are. A popular method is the use of security tokens to provide a one-time passcode.

ActivID® tokens generate random passcodes that cannot be re-used. End users gain access to resources by possession of the token and knowledge of a PIN number. Common use cases include:

- Employee authentication to corporate resources such as workstations, cloud applications, remote access/VPNs, and more.
- Customer authentication to on-line resource, storefronts or digital banking sites.
- Transaction verification, including digital signatures, for banks, healthcare organizations and more.
- Encryption of email and hard disks

ActivID tokens can also be used in situations where standards bodies have required stricter data protection to achieve regulatory compliance.

HID Global offers a broad portfolio of solutions to best match your specific needs – including physical and digital options.

- ActivID One Time Passcode Tokens
- ActivID USB Tokens
- Soft Tokens

These tokens can be customized for both look and security profile, and are supported by an end-to end ecosystem for easier deployment and support.

ActivID® Token Benefits

- Increased Security – Tokens deliver additional authentication factors and cannot be re-used

- Ease of Use - End-users simply enter the PIN on a hand-held token to activate the security capabilities of the device

- Broad Support - Supports a wide range of authentication methods

- High Flexibility - Customized options for specific applications enables an optimum balance between security, cost efficiency and user-friendliness.

HID® ActivID® One-Time Passcode Tokens

ActivID®
Mini Token

The simple one-click OTP experience and robust casing also deliver a cost-effective solution for larger deployments.

ActivID®
Flexi Token

Robust and reliable, security options and graphical skins can be easily customized to match corporate policies and branding.

ActivID®
One Token

The simple user experience with wallet sized form factor encourages immediate user adoption.

ActivID®
Pocket Token

Designed for mobile users, they are tough and long-lasting, but still easy to use.

ActivID®
KeyChain Token

Offer a range of authentication methods in a compact and durable package - great for Field Service employees.

ActivID®
Desktop Token

The larger display face and buttons simplify PIN entry to reduce eye strain - with voice enabled authentication for the physically impaired.

ActivID BlueTrust™ token

The BlueTrust Token delivers One-Click authentication with a fast and easy user experience. The device supports Bluetooth® wireless technology, and removes the burden of typing passwords. The generated OTP is automatically forwarded to the computer or mobile device, providing a simple user experience without sacrificing privacy and security.

In addition to the improved user experience, they are easy to support. They are FIDO compliant - so can access multiple applications without the need for pre-installed software or a client app.

Token Services and Accessories

Customized Token Examples

Token Customization Options

ActivID Tokens offer multiple options for customization in both the token look and the electrical profile.

Graphical Customization: The ActivID Mini-Token can be delivered in a variety of casing colors to match your brand guidelines. The ActivID Flexi Token offers color casing, graphical customization, and custom labelling on the device.

Electrical Profile Customization: ActivID Tokens offer a variety of options to best meet your security practices and process, including these categories:

- **Security Services:** Everything related to applications required for your solution – including host verification and length of the OTP
- **Algorithms:** Select the algorithms used during authentication and data signature
- **PIN Policy:** Configure options around the PIN, including: PIN protection, initial PIN, PIN length, weak PIN control and the unlock process.
- **Behavior:** Related to the general management of the token, including font/messages and power timeout

Accessories

ActivID Coupler for onsite initialization of the token through a contactless interface.

Token Pouches for device protection and easier carrying.

Simplified Deployment with Device Initialization Tool

The Device Initialization Tool is a powerful utility to quickly and easily configure the electrical profile of ActivID Tokens. With this tool, an administrator can:

- Configure the token to the specific parameters defined by the administrator
- Control and secure the security keys loaded into tokens
- Ensure the electrical profile loaded into the token has been signed

The tool itself if also secured with a pre-programmed set of security services to protect access of the console, pre-defined profile signing process, and robust audit services.

ActivID® USB Tokens

ActivID® ActivKey™ SIM provides strong security in an easy-to-use, portable form factor that has the same two-factor authentication, digital signature and encryption capabilities as a smart card.

This USB key combines the security of a smart card with a built-in USB reader. The field-serviceable subscriber identity module (SIM) provides organizations a path for future upgrades, without requiring them to purchase additional readers.

Mobile Soft Tokens

HID also provides a soft token option, through HID Approve, to enable organizations to leverage the devices their employees already carry - including smartphones, tablets, and laptops - to authenticate. Soft tokens deliver a simple and efficient solution for distribution, activation and reuse.

HID Approve soft tokens are available on Apple iPhone, Android and Windows 10.
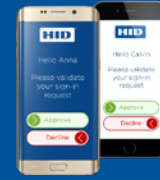
HID Approve

HID Approve not only provides mobile soft token functionality for secure access, but also delivers transaction verification functionality through the convenience of mobile push notifications.

In addition, out-of-the box customization options enable organizations to re-brand the app with their logo and color schemes, removing the need to build and maintain their own solution.

All of this functionality is also available as a Software Development Kit for integration into existing corporate applications. You are empowered to choose the application that best meets your business needs.

Authentication Ecosystem

All of these one time password devices or tokens work with ActivID back end infrastructure to facilitate the authentication of the entity that attempts to access the system or network. HID Global provides these options to best fit your unique needs.
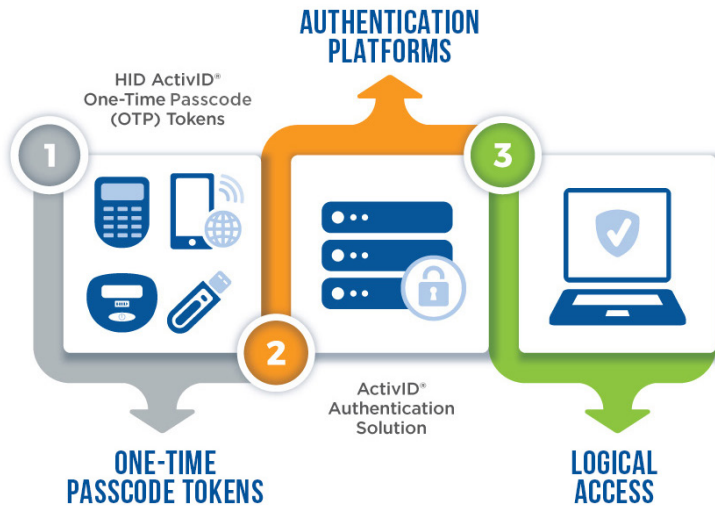
ActivID® Authentication Server Software

The ActivID® Authentication Server provides a flexible platform that can grow with the authentication needs of any business. Built-in support for open protocols ensures that it can be easily integrated into any enterprise infrastructure, cloud based service and/or internet banking engine.

ActivID® Authentication Server Appliance

The ActivID® Authentication Server Appliance delivers the same functionality as Authentication Server, but is available as a virtual appliance or as hardware for simplified deployment. The ActivID® Appliance strikes the perfect balance between security, flexibility, cost and convenience.

ActivID® Authentication Devices
Product Selection Guide

	ActivID OTP Token			
	Mini Token	**Flexi Token**	**KeyChain Token**	**One Token**
Product Description	Low cost for user authentication feature only and high volume	Low Cost PinPad Token for high volume and fast delivery. Front and back customization	Compact and robust design with the same options as the Token One	Range of authentication options plus PIN management
Use Cases				
Standalone Device	✓	✓	✓	✓
Connected Device	x	x	x	x
PIN activated Device	software	✓	✓	✓
User Authentication (WEB, VPN)	✓	✓	✓	✓
Windows Logon	x	x	x	x
Electronic Signature	x	✓	✓	✓
Host Verification	x	✓	✓	✓
Email Encryption and PKI features (PKI logon)	x	x	x	x
Physical Access - SEOS based	x	x	x	x
Supported Algorithm				
ActivID Time/Event based	✓	✓	✓	✓
OATH HOTP (Event based) OTP - RFC4226	✓	option	option	option
OATH TOTP (Time-based) OTP - RFC6238	✓	✓	option	option
Challenge/Response - X9.9	x	✓	✓	✓
OCRA - RFC6287	x	option	option	option
PKI with X.509 Certificates	x	x	x	x
AES and ECC capabilities	x	x	x	x
Human Interface				
Keypad	1	12	12	12
LCD Size (Characters)	8	10	10	10
Display	Segments	Segments	Dot Matrix (4x7)	Dot Matrix (5x7)
Define you character fonts for other languages	x	x	✓	✓
Sequenced menu (Mode V2)	x	x	✓	✓
up to 3 applications (Mode V3)	x	✓	option	option
Power Supply and Mechanicals				
Battery Life Expectancy (based on scenario)	8	5	8	8
Replaceable battery	x	x	x	✓
Dimensions (L x W x H in mm)	45 x 38 x 12	63 x 43 x 5.4	62 x 43 x 12	82 x 52 x 5.4
Weight (g)	25	20	25	25
Operating System				
Widnows XP/7/8/10/Server	Require Additional software			
Linux, Mac oS X				
Misc				
Voice Enabled	x	x	x	x
Waterproof (IPX67)	✓	✓	x	x
Multi -Color LED	x	x	x	x
Field upgradable	x	x	x	x
On site reinitialization	contact	contactless	contact	contactless

ActivID® Authentication Devices
Product Selection Guide (cont'd)

	ActivID OTP Token			ActivID USB Token
	Pocket Token	**Desktop Token**	**BlueTrust Token**	**ActivKey SIM**
Product Description	Small, durable token with the same options as the Token On	Large button and display with synthetic speech capability for easier key entry and readibility	"Multi-purpose contactless tokens for IT BlueTooth and NFC	A smart USB Token for PKI-based security
Use Cases				
Standalone Device	✓	✓	✓	x
Connected Device	x	x	✓	✓
PIN activated Device	✓	✓	software	software
User Authentication (WEB, VPN)	✓	✓	✓	✓
Windows Logon	x	x	x	✓
Electronic Signature	✓	✓	x	✓
Host Verification	✓	✓	x	x
Email Encryption and PKI features (PKI logon)	x	x	x	✓
Physical Access - SEOS based	x	x	Demo	x
Supported Algorithm				
ActivID Time/Event based	✓	✓	x	✓
OATH HOTP (Event based) OTP - RFC4226	option	option	option	x
OATH TOTP (Time-based) OTP - RFC6238	option	option	✓	x
Challenge/Response - X9.9	✓	✓	x	x
OCRA - RFC6287	option	option	x	x
PKI with X.509 Certificates	x	x	x	✓
AES and ECC capabilities	x	x	x	✓
Human Interface				
Keypad	12	12	1	x
LCD Size (Characters)	10	10	8	x
Display	Dot Matrix (5x7)	Dot Matrix (5x7)	Segments	x
Define you character fonts for other languages	✓	✓	x	x
Sequenced menu (Mode V2)	✓	✓	x	x
up to 3 applications (Mode V3)	option	option	x	x
Power Supply and Mechanicals				
Battery Life Expectancy (based on scenario)	8	8	5	x
Replaceable battery	x	✓	x	x
Dimensions (L x W x H in mm)	46 x 68 x 8	140 x 108 x 35	45 x 38 x 14	71.3 x 20 x 8.8
Weight (g)	28	225	30	12
Operating System				
Widnows XP/7/8/10/Server	Require Additional software		Win 10	CCID
Linux, Mac oS X			x	CCID
Misc				
Voice Enabled	x	✓	x	x
Waterproof (IPX67)	x	x	x	x
Multi -Color LED	x	x	x	✓
Field upgradable	x	x	✓	x
On site reinitialization	contactless	contactless	x	USB

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