



## Grid Pattern Authentication - Secure and simple.

No extra key fobs or tokens.  
No complex passwords or PINs.



When unlocking a mobile device or using an ATM, how often do you actually look at the keypad? Or do your fingers follow an automatic pattern without you thinking about it? PINgrid is so simple that many of us already use the psychology behind it without even realising it.

The human mind is hard-wired to remember patterns and shapes. Authlogics' revolutionary authentication technology takes advantage of this evolutionary inheritance to provide a robust, but brilliantly simple logon system.

### Take your security from cumbersome to convenient

Organisations implement hardware-based tokens as a means of strengthening security. However, they are far from infallible and users are easily frustrated by the complexity they add. Loss of user experience and convenience - particularly when logging onto mobile device and tablets - can reduce critical security to just another obstacle to overcome.

The frustration with traditional tokens, combined with the emergence of 'Risk Appropriate Authentication' calls for a more granular solution. PINgrid provides this with its 1.5, 2 and 3 Factor Authentication options, endpoint independence, and transaction signing capabilities.

### PINgrid – next level Multi-Factor Authentication

Traditional 2 Factor Authentication is based on the concept of pairing 'something you have' (a token) with 'something you know' (a PIN or password) with the intention of identifying users.

Challenges arise when that 'something you have' is used by an unauthorised individual. Or if the 'something you know' becomes

compromised – a PIN is hacked by keystroke loggers for instance.

PINgrid replaces conventional tokens with a grid that can only be used by a single individual. It's of no use to anybody else. The 'something you know' - the pattern - is never divulged and remains private throughout the logon process.

Delightfully simple. Deceptively secure. By fusing 'something you have' with 'something you know' and rendering them inseparable, PINgrid prevents reverse engineering and increases logon security significantly.



### Features and highlights

- No hardware tokens
- Securely logon on to Windows desktops from any location
- 1.5, 2 and 3 Factor Authentication
- Native transaction signing / validation capabilities
- Secure access to internal and cloud-based applications
- Free soft token download from all major mobile app stores
- Simplified user provisioning (thousands in minutes)
- User self-service portal and AD password reset
- Web-based Operator portal for day-to-day IT helpdesk operations

# Authlogics



www.authlogics.com | End-to-End Authentication. Simplified.

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## Secure 1.5, 2 and 3 Factor Authentication

PINgrid's variety of token types are designed to handle every eventuality.

### How it works

1. The risk associated with a user's activity is determined and the appropriate authentication method is selected. For example, Internet Banking could use 1.5 FA logon for read-only purposes, followed by 2 FA with transaction signing to authorise a payment.

2. At logon, a grid of seemingly random numbers is presented. How and where is up you. It can be displayed within an application, on a web logon page for 1.5 Factor authentication, delivered via email or SMS, or on a smart phone via a soft token app for full 2 and 3 Factor Authentication.

3. You overlay your secret pattern onto the grid to reveal your unique passcode. The pattern stays the same, but the numbers themselves change, effectively creating an entirely new passcode each time.

With PINgrid, users only need to remember a pattern - not a number, alphanumeric string, or any sort of password. There's nothing extra to carry - the transaction occurs via a mobile device soft-token. The pattern is user defined and irreversible making it impervious to malware, key loggers or even shoulder surfing.

### Weak signal, no data, flat battery? No problem!

The soft token is free from all major app stores and works entirely off-line - it does not require signal or data connectivity. It will work in an underground bunker or while roaming internationally - without any data charges.

### Multiple devices? Use them all.

A user can have up to 10 registered devices at a time using a single license. The PINgrid soft token is available on iOS, Android, Blackberry, Symbian, Kindle, and Windows Phone devices, including a desktop token for Windows.

### Soft tokens are not your thing?

Then opt for SMS and email. Real-time delivery requires connectivity, but tokens are only sent when needed. Convenient pre-send delivery ensures users have a token waiting when they need it.

No device at all? Simply add 1.5 Factor directly to any kind of logon page using our SDK or web-based API. Your users get the benefit of multi-factor authentication without the need for a separate device.

### Use Cases

**Windows Logon.** Use with Desktop Logon Agent to log into any Windows 7 or higher machine, replacing passwords, increasing security significantly whilst reducing help desks costs associated with password resets.

**Office 365.** Use our ADFS Agent to integrate with Office 365, as well as other cloud service providers, to secure access to information and documents stored in the cloud.

We also support custom integration through our SDK, using our web API, or via RADIUS.

- Emergency override access
- Highly competitive pricing and flexible licensing options
- Real-time or pre-send token delivery via SMS or email
- Active Directory or LDAP database storage (no schema extensions)
- RADIUS and Web Services interface for universal integration
- FIPS 198 & 180-3 compliant
- Patented technology

## About Authlogics

Award-winning authentication experts Authlogics are committed to assisting IT managers improve security while making it easier for users to access their information. Authlogics focuses on helping your business transition away from password-driven environments, while increasing your security posture and compliance to policy.

PINgrid is one of the core components of the Authlogics product suite, an enterprise-ready authentication and password management platform designed to fit seamlessly into existing

Active Directory environments, or as a standalone solution.

Authlogics has been designed to integrate with most systems from remote access solutions to application specific requirements via standard interfaces such as RADIUS and Web Services. It is quick to deploy, easy to maintain and manage with tools such as web-based user self-service and helpdesk operation portals. Authlogics includes Windows Desktop Logon functionality to allow for multi-factor and password-less access to PCs.

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