

AVATIER IDENTITY CHALLENGE CARD

Secure Deviceless Authentication

The easiest way to secure employee and contractor access— no smartphone, hardware token, or internet required.

Why It Matters

Multi-factor authentication (MFA) is essential, but traditional MFA often leaves people out. Employees in factories, call centers, or remote locations can't always use phones or apps. The Avatier Identity Challenge Card fills that gap with a simple, printed grid card that works anywhere — giving you complete MFA coverage without added tech or cost.


Our secure air-gapped technology solves serious limitations with device-based MFA for companies whose employees cannot or will not use personal devices for work, and for organizations without the budget for company-issued hardware.

Fun Fact: Cyber terrorists cannot hack paper.

How It Works


Instead of approving a login on a phone, users look up a code on their printed Avatier card when prompted. The system randomly picks grid coordinates — for example, “B3” or “E5” — and the user types the matching code from their card. That's it. No network. No hardware. Just secure, instant access.

Admins can also add a PIN or use custom word lists for higher security and brand consistency.



Identity Challenge Card

Generated on: October 21, 2025 at 23:25 UTC
Card ID: 8150C815

	A	B	C	D	E
1	friend - check	install - powder	excite - toe	random - cactus	glow - estate
2	stock - chase	cruise - reward	gun - modify	duck - valcano	ostrich - kid
3	elder - narrow	very - leader	come - high	remain - consider	hand - august
4	slot - tank	visit - leader	situate - sport	ten - mind	orchard - fish
5	soccer - salt	heavy - cat	treat - convince	tunnel - excuse	ball - swarm


How to Use Your Identity Challenge Card

- Find the coordinate - Look for the row and column (e.g., A1, B3, E5)
- Choose the word - You'll be asked for the FIRST or SECOND word
- Answer correctly - Enter the FIRST or SECOND word as requested
- Case doesn't matter - You can type in uppercase or lowercase


 Authenticate with your
Identity Challenge Card
by entering the word at
the specified coordinate

Challenge: What is the SECOND word in cell E1?

Answer

PIN

[Cancel](#)

[Continue](#)

This example shows, grid card and challenge. For coordinates “E1-Second Word” the correct answer is “estate”

Key Advantages & Benefits

The Avatier Identity Challenge Card provides a unique set of advantages that make it the most flexible and secure MFA solution for every user.

Advantage	Key Benefit	Why It Matters
Deviceless MFA	Universal Coverage	Works for every user — even without mobile devices or internet. Perfect for secure zones, field sites, or disaster recovery.
Truly Anonymous	Zero Personal Data	The card contains no user information, unlike all existing MFA solutions. A lost card is useless without the PIN.
Dual-Factor Security	Phishing-Resistant	More secure than most traditional MFA. Verifies identity with something you have (your card) plus something you know (your PIN).
Always Available	Resilient & Reliable	Functions when a device breaks, the battery is dead or is simply unavailable. Requires no software updates or patching.
Cost-Effective & Simple	Zero Technical Overhead	Just print cards from Avatier. No new hardware, training, or maintenance required. Licensed per enrolled user.
User-Managed	Instant Provisioning	New cards and PINs can be created anytime by the end user or forced by policy after identity verification.

Top 10 Use Cases

1. Medical Staff
2. Hospitality & Gaming Staff
3. Factory Floor & Clean Room Staff
4. Field Staff (Rental Agents, Farmers)
5. Government & Military
6. Non-BYOD Workforce
7. Layered Security Staff
8. Replacing Socially Engineered Security Questions
9. Passwordless Login & Authentication
10. Device-Agnostic Architectural Design

Perfect For These Environments & Use Cases

The Identity Challenge Card is optimal for all employees, especially subsets of your workforce that cannot rely on a mobile device.

Environment	Why It's Ideal
Factories & Industrial Sites	Workers can authenticate without carrying personal devices onto the floor.
Call Centers & Any Third Party	Low training, high turnover — secure access without mobile dependency.
Field or Remote Personnel	Reliable authentication even when completely offline.
Contractors & Vendors	Easy to provision and revoke access instantly.
Military Field Personnel	The requirement for military field personnel to use non-electronic authentication methods to guard against signal interception.
Education & Public Spaces	Shared workstations can use secure login without personal devices.

Frequently Asked Questions

1. What if someone loses their card?

There is no personal information stored on the card, so it cannot be used to prove identity without the PIN. If the user knows their password or has another MFA method, they can generate a new card and PIN instantly.

2. How is it more secure?

It is air-gapped; cyber terrorists cannot hack paper. It combines dual-factor authentication (card + PIN) and contains no personal data, making it more secure than many digital MFA solutions.

3. How easy is it to replace my card?

The enrollment process can be performed anytime by the end user as long as they can confirm their identity with a password or existing MFA.

4. Does it support OpenID Connect (OIDC)?

Avatier supports OIDC for integration with systems like EntraID. OIDC support will be added directly to the Identity Challenge Card in 2026.

5. How is the card secured when it becomes stale?

Admins can set expiration policies. The system will automatically send email and push notification reminders to the user to generate a new card before the old one expires.

6. Is there support for adaptive authentication?

Yes. Avatier includes adaptive authentication based on geo-location, user, group, or OU memberships, and can be combined with other MFA technologies at no extra cost.

7. Can it be used to log in to Windows or Mac computers?

Yes, the Identity Challenge Card can be used for this purpose. Passwordless login is a feature sold separately.

8. What if I share my PIN and card answer with the Service Desk?

After the Service Desk successfully validates your identity using the challenge card, it is automatically expired, and you must re-enroll, ensuring immediate security remediation.

Simple, Smart, Secure

The Avatier Identity Challenge Card brings complete MFA coverage to every employee — online or offline, permanent or temporary — with no new hardware, no new apps, and no friction.



Ready to secure your most challenging access points?

[Contact Avatier to see the Identity Challenge Card in action](#)

www.avatier.com