

AVATIER IDENTITY CHALLENGE CARD

# Secure Deviceless Authentication for 100% of Your Workforce.

No smartphone. No hardware token. No network. Air-gapped, phishing-resistant MFA that deploys in one day and integrates with the MFA you already own.

100% Coverage

29 Languages

75% Lower Cost

## △ WHY DEVICELESS MFA EXISTS

**When the Iranian Handala group attacked Stryker, device-bound MFA failed — and every caller to the service desk became an unverifiable risk.**

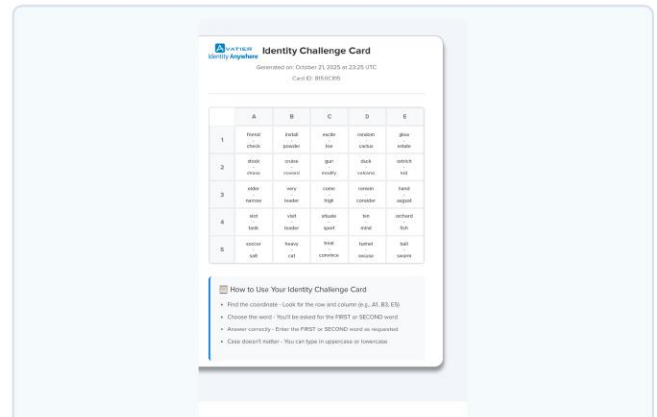
State-aligned wiper attacks are designed to keep your workforce locked out. The Identity Challenge Card verifies the human, not the device — so when everything else fails, identity verification keeps working. With ICC, Stryker's rebuild would have been days, not weeks.

## Why It Matters

Multi-factor authentication is essential — but traditional MFA leaves people out. Factory workers, call-center staff, contractors, and frontline employees often can't rely on phones or apps. In deskless industries, device-based MFA reaches as little as 5% of the workforce.

The Identity Challenge Card closes every gap. A simple printed card that works anywhere — no added technology, no MDM overhead, no re-enrollment treadmill. Air-gapped by design, resilient by architecture.

**Fun Fact: Cyber terrorists cannot hack paper.**



*The Identity Challenge Card. A 5x5 grid of randomized word pairs — each user's card is unique, air-gapped, and contains zero personal data.*

## How It Works — Three Factors, Zero Device Dependency

### 1 Challenge Card Factor

The system picks a grid coordinate (e.g. "B3"). Only the holder of the physical card can answer — randomized per user, impossible to clone remotely.

### 2 Private Knowledge Factor

A secure PIN known only to the user. Even if someone finds the card, they cannot authenticate. Card + PIN = two mutually independent factors.

### 3 Identity Anchor Factor

An organizational factor — employee ID or account number — that binds the challenge to a specific person provided by the organization.

## STACK WITH YOUR EXISTING MFA FOR FOUR-FACTOR DEFENSE

**FACTOR 4** Your Existing MFA — Okta · Microsoft · Ping Identity · Duo · CyberArk · FIDO2 · YubiKey · SAML · OIDC

**FACTOR 3** Identity Anchor (ICC) — organizational factor

**FACTOR 2** Private Knowledge (ICC) — the user's PIN

**FACTOR 1** Challenge Card (ICC) — air-gapped randomized grid response

*ICC does not replace your MFA — it turns your existing investment into the fourth factor of an irrefutable defense.*

## Key Advantages & Benefits

### UNIVERSAL COVERAGE

#### Deviceless MFA

Works for every user — even without mobile devices or internet. Perfect for secure zones, field sites, and disaster recovery.

### ZERO PERSONAL DATA

#### Truly Anonymous

The card contains no user information. A lost card is useless without the PIN. Privacy by architecture, not by policy.

### PHISHING-RESISTANT

#### Dual-Factor Security

Something you have (your card) plus something you know (your PIN). Air-gapped: no push bombing, no SIM-swap, no replay.

### RESILIENT & RELIABLE

#### Always Available

Functions when a device breaks, a battery dies, or the network is down. No software updates, no patching, no MDM.

### ZERO TECHNICAL OVERHEAD

#### Cost-Effective & Simple

Just print cards from Avatier. No new hardware, training, or maintenance. Licensed per enrolled user — 75% less than current MFA.

### INSTANT PROVISIONING

#### User-Managed

New cards and PINs can be created anytime by the end user, or forced by policy after identity verification. Mass enrollment in one day.

### Built for Global Workforces · 29 Languages

English · Spanish · French · German · Portuguese · Simplified & Traditional Chinese · Arabic · Hindi · Japanese · Korean · Russian · Italian · Dutch · Polish · Swedish · Danish · Norwegian · Finnish · Greek · Czech · Hungarian · Slovak · Turkish · Thai · Indonesian · Catalan and more.

## Perfect For These Environments

### Factories & Industrial

Authenticate without carrying personal devices onto the floor.

### Call Centers

Low training, high turnover — secure access without mobile dependency.

### Field & Remote

Reliable authentication even when completely offline.

### Contractors & Vendors

Easy to provision and revoke access instantly.

### Military Field Personnel

Non-electronic authentication to guard against signal interception.

### Education & Public Spaces

Shared workstations with secure login — no personal devices.

## Top 10 Use Cases

- ▶ Medical Staff
- ▶ Hospitality & Gaming
- ▶ Factory & Clean Room Staff
- ▶ Field Staff (Rental Agents, Farmers)
- ▶ Government & Military
- ▶ Non-BYOD Workforce
- ▶ Layered Security Staff
- ▶ Replacing Social Engineering Questions
- ▶ Passwordless Login & Authentication
- ▶ Device-Agnostic Architecture

## Frequently Asked Questions

### What if someone loses their card?

No personal information is on the card, so it cannot prove identity without the PIN. Users generate a new card and PIN instantly — cyber attackers cannot compromise paper.

### How is it more secure than digital MFA?

Air-gapped means no network attack surface exists. Push bombing, SIM-swap, real-time phishing, and replay attacks have no vector against printed word pairs.

### Does it integrate with our existing MFA?

Yes. ICC works alongside Okta, Microsoft, Ping Identity, Duo, CyberArk, FIDO2, YubiKey, SAML, and OIDC — turning your existing MFA into a four-factor defense.

### What about Service Desk social engineering?

After the Service Desk validates identity with the card, it automatically expires and must be re-enrolled — immediate security remediation, no replay window.

### PROTECTING THE WORLD'S WORKFORCE SINCE 1997

Trusted by **U.S. Air Force · U.S. Army · NASA · Pfizer · Visa · Volkswagen · Marriott · Starbucks · DHL · ESPN · Lockheed Martin · ING · Humana · BBC** — and 250+ enterprises worldwide.

- SOC 2 Type II**
- ISO/IEC 27001**
- PCI DSS v4.0.1**
- GDPR**
- FERPA**
- Section 508**
- NIST 800-63B**

## Simple. Smart. Secure.

Complete MFA coverage for every employee — online or offline, permanent or temporary. No new hardware. No new apps. No friction.

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