



## SOLUTION BRIEF

# Octopus Authentication Platform

Next Gen Passwordless MFA for Workforces

## Strong Authentication from MFA to Passwordless

**Voted the most robust enterprise passwordless solution**

Secret Double Octopus closes the security gap left by traditional password based authentication and traditional MFA solutions with the industry's leading phishing-resistant passwordless MFA solution.

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### Authentication Is Going Passwordless

**Work from home, remote work, accelerated digital transformation, zero trust** - organizations are undergoing a sea change when it comes to authentication and high assurance identity. The pandemic instantly changed the way employees, contractors and partners access their work resources and the security defenses that protect these end users. Unfortunately, the Dimensional Research / Double Octopus 2022 [State of Workforce Strong Authentication](#) study found that although 84% of organizations surveyed adopted some form of passwordless technology, but only 49% have any kind of “next generation passwordless.”

### Phishing-Resistant Passwordless MFA

**Phishing and ransomware have exploded** since 2019, with cybercriminals seeking to take advantage of the chaos of the pandemic. Phishing was problematic prior to the shift to largely remote workplaces, then things got worse. Passwords cause many problems: end users choosing easy to break or guess passwords, password reuse, and help desk password resets. In fact, password-related issues comprise up to 50% of IT help desk calls, costing many companies over **\$1 million annually** in lost productivity. Now, phishing attackers bypass traditional MFA, forcing IT to modernize authentication to phishing-resistant technologies.

### Change Is Hard, SDO is Easy

**Unlike other passwordless technologies**, Secret Double Octopus modernizes user authentication while working with password directories, not forcing you to re-architect your identity infrastructure. Users are relieved from password management; no creating, typing, or exposing another password, in favor of strong phishing-resistant authentication options. Instead, IT leadership controls how users authenticate, with flexible options including adaptive biometric mobile push, FIDO2 hardware tokens, or even use MFA that includes passwords where secrets make sense.



# Passwordless MFA Completeness, Flexibility and Proven Scale

The Octopus Authentication Platform has been time tested in mission-critical deployments of over 100K employees in several multi-national organizations, but also serves the needs of SMBs.

## End-to-End Enterprise Completeness

With Double Octopus, end users never have to remember a password, regardless of what resource they are accessing. End users can access any and all enterprise resources using the same authenticator. Avoid introducing IAM complexity through one unified experience.

With Double Octopus completeness, organizations can:



### Secure Remote Workers

through MFA or passwordless authentication for use cases such as VPN, VDI, mobile and cloud applications



### Extend MFA to the Desktop

with either traditional MFA or passwordless MFA, for Window, MAC, and Linux



### Deploy Phishing-resistant MFA

Stop MITM phishing attacks including with hardware tokens or token-less with Desktop-to-App pinning



### Support MFA or Passwordless Access

for mission essential custom and legacy on-premise applications whether AD joined or not

## Flexibility to Power Your Unique Passwordless Journeys

No longer settle for a one size fits all passwordless solution. Customize your journey to passwordless with your specific needs in mind. Secret Double Octopus offers one unified platform that can leverage 3rd party MFA authenticators or its own --the most flexible options in the market today for a passwordless journey.

With Double Octopus flexibility, organizations can uniquely:

**Go passwordless when you are ready**, using the same backend components for both MFA or passwordless deployments.

**Mix and match traditional MFA** with adaptive push MFA or add FIDO2 hardware keys selectively for different user group workflows, such as admins, production or support personnel.

**Use Octopus Pro to integrate into most 3rd party authenticators** for a wide variety of use cases

**Roll out passwordless progressively**, starting with our unique "Password Free" mode of operation that allows end users to still set a shared secret but get accustomed to using SDO's authenticator by never having to remember or type it in.



## Unmatched Robustness for Modern Enterprise Complexity

Any modern authentication solution must build upon the IAM ecosystem that already exists in the enterprise, but also minimize further complexity in achieving its goals. Secret Double Octopus fulfills this promise with broad and deep security coverage across the enterprise.

With Double Octopus robustness, organizations can uniquely:

- **Enable legacy on-premises applications** for traditional MFA and passwordless authentication
- **Support desktop MFA for Windows, Linux, and Mac** including with disk encryption (FileVault)
- **Turn on authentication with FIDO keys to Active Directory** and traditional RADIUS-based VPN gateways
- **Fully enable Octopus passwordless authentication** with Azure AD Premium

**“Not having to remember or manage multiple passwords improves productivity and provides us with better auditing. And users are much happier.”**

Tomer Radian  
Chief Architect, Anagog

## Phishing-Resistant Passwordless MFA with Seamless Directory Integration

Achieve phishing-resistant MFA without complex PKI certificates using SDO’s patented desktop-to-app pinning or with FIDO2 hardware token key pair pinning. Our adaptive mobile push capabilities also help thwart mobile push bombing and extend security protection.

## Platform Editions

Pick your starting point with the industry’s broadest flexibility for going passwordless:



### Octopus Starter

Traditional MFA with passwords, but future-ready to go passwordless selectively or with the flip of a switch. Covered use cases include cloud/web applications, VPN and VDI –perfect for securing remote workers.



### Octopus Pro

Adds desktop MFA to Octopus Starter, including FIDO2 key authentication into Windows and Macs. Pro enables traditional MFA with passwords, but prepares you to go passwordless with the flip of switch at any time.



### Octopus Enterprise

End-to-end passwordless for your workforce. The industry’s leading passwordless authentication offers the most complete, robust and proven feature set in the market. The solution includes many features such as legacy on-premise application support not found in other passwordless platforms.

# Octopus Platform Editions Comparison



| Plan Features                               | Starter | Pro | Enterprise |
|---|---------|-----|------------|
| Octopus Authenticator                       | ✗       | ✗   | ✗          |
| MFA for Web and Mobile Apps                 | ✗       | ✗   | ✗          |
| MFA for VPN & VDI                           | ✗       | ✗   | ✗          |
| SSO Portal (Optional)                       | ✗       | ✗   | ✗          |
| SSO Portal Passkey Support (Cloud Sync'd)   | ✗       | ✗   | ✗          |
| FIDO Security Key Support (Device Passkeys) | ✗       | ✗   | ✗          |
| Phishing-Resistant MFA                      | ✗       | ✗   | ✗          |
| Desktop MFA (PW-based)                      |         | ✗   | ✗          |
| Desktop Push Bombing Protection             |         | ✗   | ✗          |
| 3rd Party Authenticator Support             |         | ✗   | ✗          |
| OTP Authentication Fallback                 |         | ✗   | ✗          |
| AAL3 Proximity Assurance                    |         | ✗   | ✗          |
| Desktop-to-App Pinning                      |         | ✗   | ✗          |
| Mac Local FileVault Supported               |         | ✗   | ✗          |
| Smartcard Desktop Authentication            |         |     | ✗          |
| Desktop MFA (Passwordless)                  |         |     | ✗          |
| Legacy App Support                          |         |     | ✗          |

## About Secret Double Octopus

Secret Double Octopus delivers the industry's broadest workforce use case coverage for passwordless MFA making SDO a clear leader in phishing-resistance, enabling compliance, and reducing cyber insurance premiums. Our industry-leading platform offers mid-market to Fortune 100 enterprises the ability to progressively move to a higher security, more frictionless authentication – from MFA to end-to-end, unified passwordless authentication.

From leveraging existing MFA authenticators to supporting legacy on-premises applications, no other desktop MFA and enterprise passwordless platform offers comparable robustness and flexibility. The company has been designated a Gartner **"Cool Vendor"**, named "Best-in-Class" passwordless provider by AITE Group and a **2023 SINET16 Innovator**.

Learn more at [doubleoctopus.com](https://doubleoctopus.com)

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