

tyntec

Sophisticated Simplicity
In Mobile Interaction



Product Data Sheet Mobile Authentication



Product Data Sheet

Mobile Authentication

tyntec allows companies in a wide range of sectors to implement 2-factor authentication via SMS in a reliable and straightforward way. Building mobile authentication component, such as One Time Passwords or mTANs into transaction processes, gives companies access to a powerful and personalized identity authentication to prevent fraud.

End-to-end security with SMS authentication

SMS is a ubiquitous messaging technology which financial services companies and enterprises can use to send One-Time-Passwords (OTPs) or Mobile Transaction Authentication Numbers (mTANs). This allows enterprises to verify user identity at log-in, and banks to authenticate the validity of each and every transaction.

tyntec is a specialist in global SMS interaction solutions, providing enterprises and financial service providers with a high-end service for mobile authentication, offering:

- 15 second delivery guarantees on all OTP SMS.
- Full reliability and security of OTP / mTAN generation and transmission.
- Real-time delivery notifications receipts.
- Global reach.
- Strict Service Level Agreements (SLAs).
- Number Lookup module enables companies to enhance anti-fraud procedures by performing international mobile subscriber identity (IMSI) verification directly from the GSM network.

In order to implement effective 2-factor authentication, mobile OTPs need to be time-restricted. In the event that the intended recipient is un-available, a „time-to-live“ is set for each SMS sent. This means that after a given time period tyntec will stop trying to send an OTP, ensuring that expired passwords are not sent.

Using Mobile Authentication

- Authenticate banking transactions.
- Authenticate transactions in e-commerce sites, as well as for online gambling and auction deals.
- Authenticate transactions in micro-payments and money transfers on the online and mobile spaces.
- Verify access to enterprise systems, especially when users access systems remotely.
- Implement application log-ins and e-signatures via SMS.
- Perform mobile subscriber identity verification.

Who should use this service?

- Enterprises
- Financial service providers
- E-commerce companies

Key benefits

Enhanced security against fraud

The increasing amount of sensitive information submitted online has provided criminals with an increased opportunity. By sending one time passwords via SMS to authorize transactions or access to sensitive systems, companies can be assured that the right person is gaining access at the right time. In this way, two-factor authentication with SMS can provide cast-iron guarantees against the risk of attack from malicious software and phishing attacks.

In addition, with the Number Lookup module it is possible to check a customer's location and mobile subscriber identity (IMSI) by querying value-added network information directly from the GSM network, which enhances anti-fraud procedures.

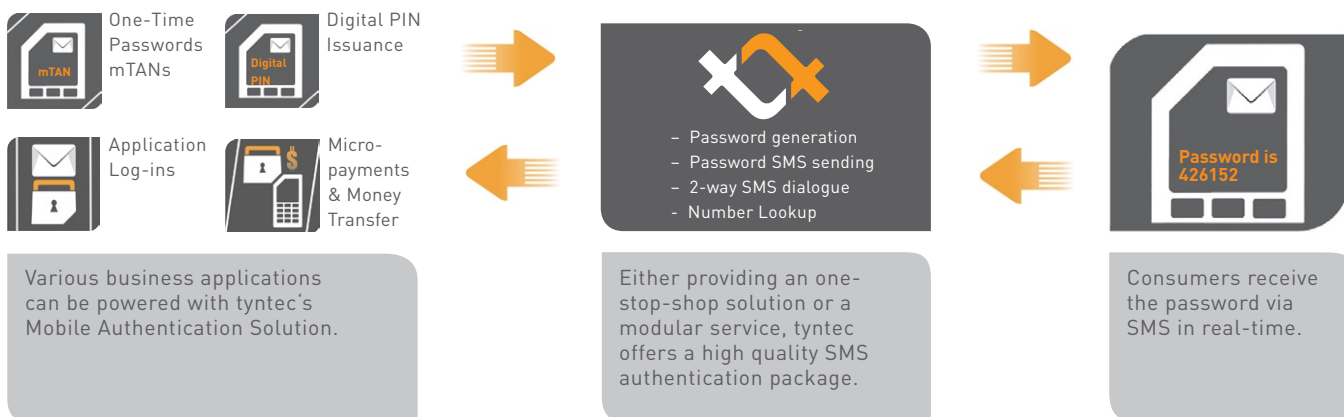
Gain consumer trust and reduce cost

Providing extra security measures to protect the user's personal data and assets means consumers feel more comfortable using online systems and applications. Not only can this increase consumer engagement, but also reduce customer service and call centre costs.

Improved customer convenience

SMS is a user-friendly, simple and popular communications channel. Using text messaging to transmit OTP information means users receive information in a format which they are comfortable with, as it is convenient and can be delivered to people from anywhere, at anytime, on any device.

How the service works



About tyntec

tyntec is a mobile interaction specialist, enabling businesses to integrate mobile telecom services for a wide range of uses – from enterprise mission-critical applications to internet services. The company reduces the complexity involved in accessing the closed and complex telecoms world by providing a high quality, easy-to-integrate and global offering using universal services such as SMS, voice and numbers. Founded in 2002, and with more than 150 staff in five offices around the globe, tyntec works with 500+ businesses including mobile service providers, enterprises and internet companies.

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