



Gradiant Signer is the first product integrating Gradiant's DSV and Samsung Pass to guarantee secure document access and signature.

Thanks to the integrated product, new Samsung Galaxy Note devices will benefit not only from Samsung Pass' biometric capabilities and electronic signature, but also from the optimized Gradiant's DSV technology.

Gradiant Signer integrates latest Gradiant's DSV technology, optimized for Galaxy Note 8 devices: new algorithms and the use of the data provided by Samsung's S-Pen has led to a clear performance improvement -around 57.5% compared with the general purpose DSV- and much better user experience, making enrolment 22.5x times faster in Samsung Galaxy Note 8 devices.

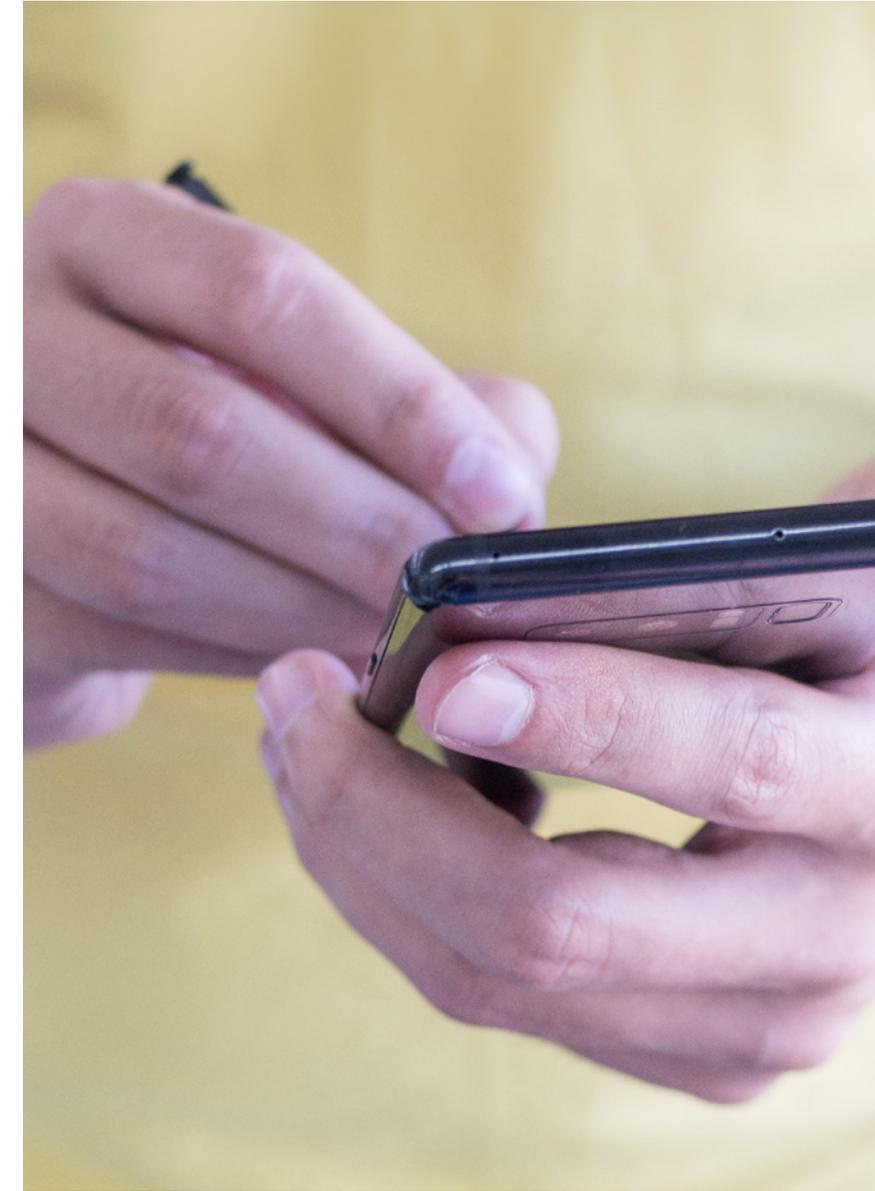


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## GRADIANT SIGNER

Handwriting signature  
verification for secure  
document access  
and signing

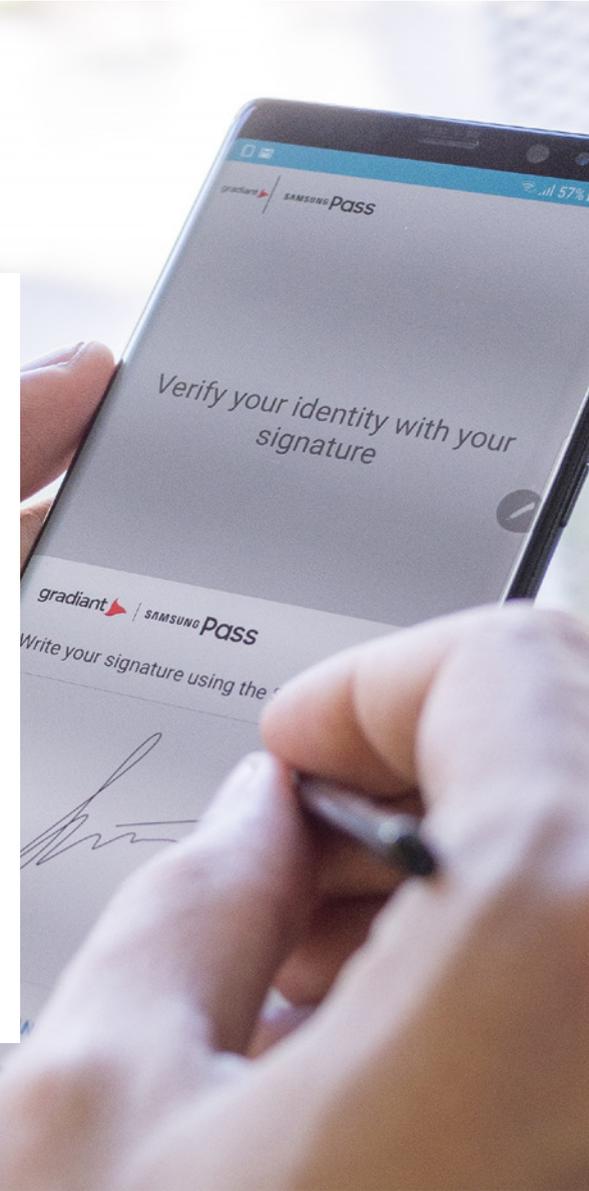


# Gradiant Signer

**Gradiant Signer, exclusively designed for Samsung Galaxy Note devices, allows to securely access and sign a document in mobility through combination of physical and behavioural biometrics.**

The product combines Gradiant's optimized Dynamic Signature Verification [DSV] for Note 8 devices, and Samsung Pass. In Gradiant Signer, the user is authenticated via Samsung Pass to get access to a confidential document and sign it with Samsung S-Pen anywhere and anytime in a secure and reliable way, since user's signature is verified through Gradiant's DSV technology.

Gradiant Signer incorporates 3 complementary security layers: on the one hand, physical biometric recognition of the user (iris and / or fingerprint) and electronic signature, both powered by Samsung Pass; on the other, biometric handwritten signature recognition, provided by optimized Gradiant's DSV technology.



## Secure Document Access and Signature

- ✓ Secure document access and signature in mobility
- ✓ Exclusively designed for Samsung Galaxy Note devices
- ✓ Physical and behavioural biometrics combination

### Gradiant Signer incorporates three complementary security layers:

- ✓ Physical biometric recognition (iris/fingerprint)
  - ✓ Behavioural biometric recognition (handwritten signature)
  - ✓ Electronic signature
- 
- ✓ Powered by Samsung Pass and Gradiant's Dynamic Signature Verification
  - ✓ Samsung's S-Pen for signature capture
  - ✓ Fully embedded biometric verification
  - ✓ Optimized DSV technology for Samsung Galaxy Note 8 devices
  - ✓ Fast enrolment, including configurable number of enrolment signatures, signature complexity analysis and template coherence analysis.
  - ✓ Language-independent DSV, exploiting multiple dynamic signature characteristics.

Gradiant Signer is the perfect match for Identity Management, Know Your Customer, FinTech: Payments and Financial Services, Mobile Banking, Insurance, Healthcare, Public sector: electronic administration.



**Exclusively designed for Samsung Galaxy Note**



**Physical biometric user recognition**



**Behavioural biometric handwritten signature recognition**



**Integrated with Samsung Pass**

## Use Case

Gradiant Signer is intended for secure access and signature of PDF documents in Samsung Galaxy Note devices.

With application to Know Your Customer (on-boarding) scenarios, Gradiant Signer allows to embed a biometrically verified handwritten signature in the PDF documents retrieved by a user in his/her Samsung Galaxy Note mobile device.

### How does it work?

- The user launches the application in his Samsung Galaxy Note device and is robustly authenticated through Samsung Pass biometric verification (iris/fingerprint).
- After positive authentication, the entire process of token exchange and verification between the user, Samsung Pass Service and Samsung Pass Authentication Server takes place.
- The user then retrieves the list of available documents from the Documents Server, and selects the agreement which requires signature.
- The user signs the document using Samsung S-Pen device.
- The user's signature is verified with Gradiant's Dynamic Signature Verification technology in less than 50 milliseconds.
- The user's signature is then embedded in the document and it is electronically signed with Samsung Pass. The signed document (both manually and electronically) is sent to the Documents Server.

