

Gemalto Explains The PIV Card

Uses:

- Gain physical access to federal buildings.
- Verifiable ID at security checkpoints.
- Online login, security and document encryption

The PIV card is compliant with FIPS 201 standards.



Smart card **contact** technology is used for online security and login.

There is also a **fingerprint** template in the smart card.

Contactless technology is used for building access.

This is representative; depiction of the actual appearance of the card is prohibited.

How the employee's ID is authenticated:

- 1 Security guard places PIV card into a reader. Data on the card verifies it was issued by the government and has not been altered.



- 2 Employee places finger on pad.



- 3 Reader verifies fingerprint against template stored on the card.

The PIV card's 3-factor security:

- Something you know: **a password.**
- Something you have: **the card itself.**
- Something you are: **your fingerprint.**

How it works

Smart card technology

What is smart card technology?

Smart card technology uses a computer and software with 100s of built-in security features.

The contacts on the surface of the device are connected...
outside
inside
...to wires running from a computer chip under the surface.



The whole piece is embedded into a plastic card or hard token.

Smart card technology is used to create personal, portable security devices:

