secunet
easygate

Automated Border Control

Easy going with secunet easygate

secunet.com

secunet easygate sets benchmarks in terms of security from thorough checks of identity documents as well as using the best sensors for liveness detection. And secunet easygate adapts easily to individual requirements and specific purposes.

Modern identity documents such as electronic passports and national ID cards are far more than evidence of an individual's personal identity. The holder's biometric data stored in the chip enables the automation of processes such as border control. This is the focus of secunet easygate: it turns border control checks into a simple, intuitive process that any passenger can carry out themselves in just a few seconds. Passenger processing is made significantly more efficient, waiting times are reduced, and more passengers can be processed (in parallel). Further, the longer waiting times expected due to time-consuming registration and control processes through the implementation of Entry/Exit Systems (EES), can also be absorbed at both entry and exit.

Highest security and maximum comfort

secunet easygate also sets benchmarks in terms of security from thorough checks of electronic and optical security elements of the identity document as well as sophisticated sensors for liveness detection. As part of the secunet border gears product portfolio, the secunet easygate, like all border control solutions from secunet, adapts easily to individual requirements and specific purposes. The unmatched reliability of the secunet easygates gained the trust of customers from all over Europe.

How secunet easygate works

When the electronic passport is placed on the reader, both the optical and the electronic security elements of the ID document are checked. At the same time, an enquiry is sent to official background systems to check for example whether the passport has been reported stolen. Once the check has been completed, access to the border control gate opens. As the traveller enters the gate, a biometric camera measures his body height, automatically positioning itself at the optimum imaging height. The face is then photographed and compared with the passport image already read from the chip. If the biometric data matches and the system determines that the passenger is entitled to cross the border, he is allowed to do so. With secunet easygate the entire border crossing process takes on average 12–15 seconds.

Border guards follow the process on monitors and can step in when necessary. They can use the results of the check to decide whether additional police measures are necessary. secunet easygate's exceptional user interface accelerates passenger processing, making life easier for everyone involved – passengers, airports and border police.

Benefits

- Higher passenger throughput due to intuitive user interface
- Unique level of security
- Low-maintenance design for reliable service life and high availability

System features

Uniquely reliable

- Turnkey eGate:
  Quality "Designed and Made in Germany"
- Robust, maintenance-friendly design: Intended for long service life and high availability

Uniquely secure

- Comprehensive optical document checking:
  Reliable detection of fakes and forgeries
- Full electronic document checking:
  Connection to Public Key Infrastructure retained
- Exceptional security against circumvention:
  Exhaustive liveness and spoof detection when capturing biometric data
- Intelligent sensor technology:
  Reliable detection of circumvention attempts

Uniquely flexible

- Modular software and hardware architecture:
  Standard-compliant, technology-independent
- Easily scalable:
  New user groups (e. g. Registered Travelers, ...), additional modalities (e. g. finger)

Uniquely user-friendly

- Optimised passenger flow:
  Interaction points in the passenger's natural direction of movement
- Intuitive user interface: From presenting the document to leaving the gate
- Highest possible error tolerance:
  Low rejection rate, even with inexperienced users

References

Border control as easy as the name suggests

On behalf of the German Federal Ministry of the Interior secunet was responsible for the nationwide roll-out of automated border control systems to German airports for the Federal Police in project EasyPASS. In close cooperation with consortium partner Bundesdruckerei, the busiest airports were initially equipped with 90 eGates in 2014. In addition, secunet supplied the secunet biomiddle software platform, which makes the EasyPASS system exceptionally flexible.

As of December 2019, the number has grown to more than 240 eGates at Germany´s busiest airports. The automated border control gates allow the German Federal Police to perform electronic and optical document checks based on the latest ICAO and BSI standards. In close cooperation with the German Federal Police, secunet is constantly developing the eGates further in order to fulfill the latest requirements for fast, secure and convenient border control, for example, improving user guidance as well as security against circumvention.

Vienna International Airport

With more than 24 million passengers a year, Vienna International Airport is a major hub for flights towards Eastern Europe and the Middle East. Since the end of 2017, automated border control systems from secunet provide convenient, secure and efficient border control services for arrivals and departures. The new generation secunet easygates – 25 of them in total – were installed and brought into service in a record time of just three months after the contract had been awarded. Thanks to an optimised document reading process at the eGate entrance and a new-generation face recognition module, both passengers and border control officers benefit from a faster control process and a highly reliable biometric verification.

In addition to the eGates, secunet also supplied the software for the monitoring, analysis, reporting and administration workstations, a central server system for the integration of the background systems and for the management of the eGates, as well as training, support and maintenance services.

secunet Security Networks AG
Kurfürstenstraße 58 · 45138 Essen · Germany
T +49 201 5454-0 · F +49 201 5454-1000
info@secunet.com · secunet.com

More information:
secunet.com/en/easygate