

E-signature in use with IGEL thin clients

The electronic signature

The personal signature is indispensable in the business process. At the same time, it is the simplest and the most trustworthy way to actively make a declaration of intent.

Electronic signatures and their secure safekeeping are becoming increasingly important. From a simple receipt to a complex contract – it is hard to imagine life without handwritten signatures. With the help of signature pads, handwritten electronic signatures can be captured quickly and easily in order to ensure a seamless process chain for digital documents – from production through to archiving. At the point of sale too, this unambiguous, conscious declaration of intent is now established and well accepted by customers.

How does the e-signature works?

Also the users of IGEL End Point Solutions can benefit from the advantages of the electronic signature process.



signotec signature solutions have been used by many IGEL users for many years. Using a standard Citrix functionality, the so-called "COM Port Mapping", it is possible to use signature pads from signotec directly on the IGEL devices.

For example, savings banks use this technology to design a fully automated and fully electronic process.

For this, the signature application is installed on a central server and the signature pad is

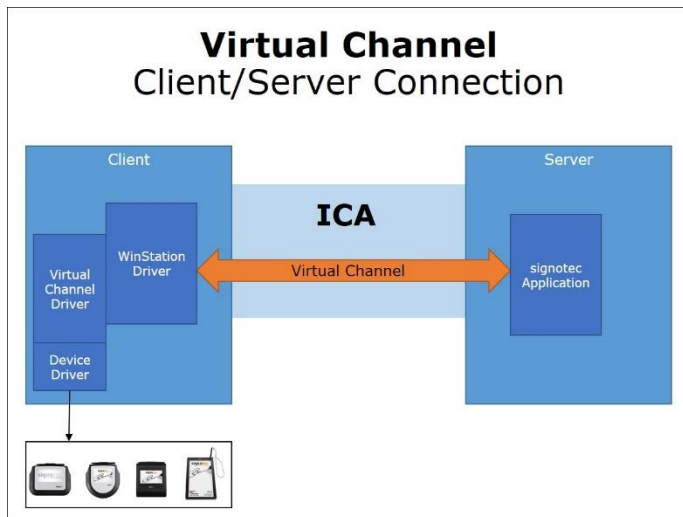
connected directly to the IGEL End Point.

For the signature process, the user calls the document to be signed via the signature software stored on the server via the IGEL client. As usual, the digital document is edited by the user. The next step involves capturing your own signature with a signotec pad. After the signature has been confirmed, the recorded data is transferred from the pad to the central server. There, the signature software adds the signature proof-proof and encrypted into the electronic document. With the signotec method, signature information such as writing speed and printing strength are stored securely in the document in addition to the image of the signature, which can later be checked by handwriting experts in much the same way as an original signature. The signed document can then be integrated and archived directly into other electronic workflows without media discontinuity.

New process - technical implementation

signotec Virtual Channel Technologie for IGEL End Point solutions.

A new method, Virtual Channel Technology, realizes the use of USB HID pads in Citrix environments. For this, the "signotec Virtual Channel Driver" is set up on the ICA Client.



With the new "Virtual Channel" technology, the signature pad can be used without COM port mapping in the Citrix environment. New to this procedure is that this procedure no longer requires a serial device, but also supports the HID USB and Win-USB pads.

After configuring the driver, the pad communicates over the established virtual channel. Once the CITRIX session starts, the virtual channel is initialized. All data between the pad and the software is compressed, sent over the virtual channel, decompressed and processed. Of

course, the data transfer from the signotec pads via the IGEL End Point to the central server is encrypted.

This technology speeds up the connection, reduces network traffic and reduces latency many times over!

Of course, the proven method of COM port mapping of serial signature pads remains available in existing systems. For this, however, the "Virtual Channel Driver" is not needed.

The signotec "Sigma, Omega, Gamma, Delta and Alpha" pads can be used on all IGEL Universal Desktop thin clients with IGEL OS, the Zero Client series IZ2 and IZ3, as well as End Points, which are converted with IGEL UD Pocket or UDC, be used. The functionality is supported in the Citrix XenDesktop / App and in the RDP (Microsoft and VMware Horizon) sessions and is a common feature of the latest IGEL OS.

It is available for download at <https://www.igel.com/software-downloads> in the latest version.

The advantages of the solution

From both worlds results a strong win-win situation for the user!



- Just initial – digital sign
- Create evidence-proof documents
- Digital chain of processes without media breaks
- Enormous range of applications
- Optimized Workflow with large savings potential
- Width periphery-support
- Integration into centralized IT environments
- Highest security and acceptance
- Biometric signature processing
- Made in Germany - hard- and software from a single source



- IGEL-Hardware solution for your workplaces and your IT work environment
- Endpoint Management Software simplifies the work of IT professionals
- IGEL OS operating system unifies your endpoints and standardized the user experience
- Security already integrated at enterprise level
- Customization without compromise

About signotec GmbH:

signotec GmbH was founded in 2000, is the market and technology leader in the field of handwritten electronic signatures with a signature pad, tablet PCs and mobile devices.

signotec occupies an outstanding position because signature pads and software are developed and produced in single source. signotec has patented security mechanisms whose outstanding qualities have been proven in various stress tests. With the seal of quality "Made in Germany" signotec occupies an outstanding position in the market and supports the middle class in Germany. With signotec's products, users can sign, digitally sign, optimize business processes, avoid media disruptions, authenticate persons and create legally compliant documents. Electronic documents signed in this way can be checked at any time, anywhere and by anyone without any technical effort. Signing with signature solutions from signotec remains as easy and secure as ever. However, signing takes place directly in the electronic document. In this way cost-intensive media breaks can be avoided by the use of paper. The electronic documents are protected with the digital signature and can be verified as genuine.

signotec's partners and customers include not only German but international industry customers, retail chains and companies, financial service providers and banks, administrative offices, the healthcare sector, insurance companies and brokers. The signotec GmbH is managed by the directors Arne Brandes and Gunther Hagner at the locations Ratingen and Rodewald.

www.signotec.com

A horizontal banner with an orange background. On the left is an image of a tablet displaying a signature. On the right is an image of a tablet with a stylus and a signature. In the center, white text provides contact information for signotec GmbH.

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About IGEL

IGEL is one of the leading providers of powerful endpoint management solutions with which companies can simplify their IT infrastructure sustainably. The world's leading products, such as the IGEL Universal Management Suite, Thin and Zero Clients with the in-house IGEL OS as well as all-in-one thin client solutions, enable an intelligent and secure endpoint Management. With IGEL, companies can connect all their thin clients through a single interface easy to control and manage. IT departments can do this with less effort achieve more, lower the total cost of ownership and reduce operating costs and their business future-proof. IGEL has 10 offices worldwide and is partnered with over 50 countries. For more information, click here www.igel.de.