

Next Generation Document Exchange (NGDX)

Data Sheet | 04-06-2026

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Document Exchange of the Future

For the lossless, verifiable and direct transmission of documents, there was hardly any alternative to fax for a long time. Fax is legally secure thanks to the OK note and the transmission journal, accepted worldwide and capable of overcoming even poor telephone lines. In addition, it transmits no active content, so that harmful software has no chance - a great advantage over e-mail.

This technology, based on current ITU standards, has been consistently refined for a transmission method that is innovative and future-proof. NGDX now establishes a fast and legally compliant document exchange. The numerous island solutions that spread across become obsolete because NGDX can be used across all industries.

UNBEATABLE IN IT ENVIRONMENTS

NGDX utilizes its full potential in an IP environment. With NGDX, customers can exchange real documents as easily as by E-Mail, but with greater security, via the telephone connection, while maintaining the same legal security as with electronic faxes. The "weaknesses" of the fax, such as the low resolution in black and white or the slow transmission, are eliminated with NGDX. It not only allows high speed transmission and display of colors. Hybrid formats, readable by humans and machines, such as PDF/A and ZUGFeRD 2.1 invoices, as well as extensive documents can be transferred without restrictions and loss of quality. If the receiving party cannot receive NGDX, the document exchange solution is of course downward compatible to the conventional fax server. Its compatibility even reaches up to analog fax devices.

DOCUMENT ENCRYPTION PROVIDES SECURITY

Wherever business-critical or sensitive data is exchanged digitally, security concerns are high and legal requirements strict. For this reason, modern document exchange should feature an encrypted end-to-end connection. This ensures that the sender and recipient are clearly verified and the documents cannot be manipulated or copied during transmission.

Solutions by Ferrari Electronic that Feature NGDX

The **OfficeMaster Suite 9**, was designed with the clear focus to meet the requirements of modern digital workplaces.

The dispatch channel via ePostbrief has been integrated into the solution so that letters can be sent directly from the workplace. This eliminates the need for printing, enveloping, franking and posting. Nevertheless the recipient receives the correspondence delivered by mail as usual.

In addition, the direct submission of digital e-invoices has been implemented for federal agencies, as well as the integration of Microsoft Dynamics 365 to facilitate work from the home office.

All connectors with their deep integrations into the existing customer systems not only transfer faxes, but also original documents in high resolution, with meta information and even in encrypted form. This means that existing processes can not only be reused, but also optimized and expanded.

OfficeMaster Suite Highlights

NGDX Mode: „Cloud-Relay“

The OfficeMaster Suite has always offered optimized methods for transferring documents, and with NGDX („Next Generation Document Exchange“), it has enabled a completely new user experience in document transfer.

The consistent further development of NGDX offers another option for transferring documents in a legally compliant and encrypted manner, using key exchange via a method other than document exchange (similar to 2FA „two-factor-authentication“). With document transfer via „Cloud-Relay“ through the OfficeMaster Suite 9, this gap has been closed.

Thanks to state-of-the-art NGDX technology, documents are transmitted—without user intervention—in a legally compliant and encrypted manner over the Internet; only the key exchange takes place via the traditional telephone network. It doesn't get any safer than this!

- The built-in OCR functionality transforms for example received faxes into searchable and indexable digital PDF documents
- XInvoices can be conveniently submitted digitally to the portal of federal authorities or sent as ZUGFeRD documents
- With the ePostbrief connection or over the Peppol network of Telekom, letter mailings can be simply sent digitally, without printing, enveloping, franking or taking to the post office

Even better integration with third-party systems

- Integration with Microsoft Dynamics 365 enables the sending of SMS, faxes, letters or XInvoices simply and conveniently from the groupware
- The connection to SAP through the new SAP® S/4HANA Connector opens up the full spectrum of NGDX possibilities for ERP systems
- Use OfficeMaster Suite in the cloud? No problem! Now available in the Microsoft Azure Marketplace

Work securely from anywhere

- Automatic encryption of communication (transport route & document) documents remain confidential and GDPR compliant
- Additionally, for even more security, documents can be provided with a digital signature or a seal can be added to documents

Conclusion

Modern document exchange methods such as NGDX have the potential to revolutionize the transfer, processing and management of documents. They form the basis for a digital and secure automation of business processes in companies, organizations and authorities.

Another milestone in secure business communication.

NGDX advantages

This is why organizations choose data privacy compliant and secure document transfer with NGDX

- **fast** - IP-based transfer
- **colorful** - all color information of the original document are preserved
- **high resolution** - blueprints, photos and graphics are transferred transferred 1:1
- **hybrid** - documents are readable by humans and machines (e.g. ZUGFeRD 2.1, Xinvoice)
- **audit-proof** - an audit-proof archivable searchable digital standard format

(PDF or PDF/A)

- **encrypted** - GDPR compliant
- **compatible** - downward compatible with fax
- **direct** - without intermediate storage on external infrastructures („clouds“)
- **lightweight** - easy installation and maintenance, without changing the IT infrastructure

integrable - on every common operating system, in scanners, printers and multifunction devices, in the government cloud and with a wide range of software, including Microsoft products, SAP. Web services for integration with third-party software and services such as the dispatch of letters via E-Post.

Safety and Security

Security & Data Protection - Features of OfficeMaster Suite 9:

- End-to-end encryption from end device to end device
- Data transport not in the open Internet, but in the SIP trunk
- Addressing via telephone number

- Manipulation security through use of hashes
- Secure certificates
- Rights management
- Manufacturer located in Germany.

Green IT

Our contribution to sustainability:

- Paperless office, paperless processes
- No local hardware required
- Efficient use of energy through operation in the local data center or in the cloud