

Smart **NETWORK** Solutions

21-1390 INTELLIGENT SPOOLING DEVICES



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DIREKTRONIK

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TECHNICAL DATA

21-1390 Intelligent Spooling Devices



Print Appliance and Print Spooler

- Efficient management of all print jobs and queues in a network
- Relief of server resources
- Ideal for branch offices and workgroups
- Integrated ThinPrint® Client
- Cluster/Copy Printing
- Highly available
- 3 years warranty

Installation and Management

- Quick, simple installation (printers are detected automatically)
- Transparent management via browser
- Automatic printer driver installation
- Integrated DHCP and DNS-Server

Comprehensive Security Package

- Access Protection
- Encrypted Printing TSL/SSL, ThinPrint SSL
- Support of Windows Active Directory

| MODELS | NETWORK TYPE | CONNECTOR | HARD DISK |
|--------|-----------------------------|-----------|------------------------|
| | 10BaseT/100BaseTX/1000BaseT | RJ45 | 60 GB |
| | 10BaseT/100BaseTX/1000BaseT | RJ45 | 60 GB |
| | 10BaseT/100BaseTX/1000BaseT | RJ45 | 16 GB SSD |
| | 10BaseT/100BaseTX/1000BaseT | RJ45 | 160 GB |
| | 10BaseT/100BaseTX/1000BaseT | RJ45 | 2 x 160 GB (RAID 1) |

SMART NETWORK SOLUTIONS

21-1390 Intelligent Spooling Devices

Spooling is one of the core tasks in any network because voluminous print jobs (intensive use of graphic elements, color printing etc.) require a lot of bandwidth. Intelligent Spooling Devices by SEH provide for the efficient spooling of all print jobs and the management of all available printers as print queues in any network where print job spooling is otherwise managed by central servers. The ISD300 and ISD400 are SEH's network spooling solution with a strong focus on cost-saving and user-friendliness.

Existing server resources can be relieved by up to 40 per cent!

ISDs are the ideal solution for distributed printing across many locations and networks without a central server. They provide central print job management and simplify the administration of network printing so you can transparently manage your network printing.

FEATURES

- Efficient and transparent print job spooling with many management options
- Securing and boosting server performance
- Fast and simple installation
- Automatical localization of printers
- Highest availability of all print services in the network
- Simple and fast back-up
- Boots in less than 10 seconds
- Comprehensive security package
- And much more!

ISD Manager for Easy Administration of several ISD Appliances!

The ISD Manager is a management software utility to efficiently monitor all ISD devices in a network as well as manage updates, back-ups, queues, and printer drivers.

Especially handy: You can use the ISD Manager to create a database with all queues and printer drivers in the network, which is very convenient and easy to keep up-to-date. The queues and drivers stored this way can be individually combined for each ISD appliance, enabling administrators to configure the devices flexibly.

Easy and secure back-up management: Just download the back-up files with the ISD Manager and save them to a selected location. If required, this file is simply uploaded to restore functionality.

The ISD Manager is currently available for Windows networks (2011 Server, Windows 7, 2008 Server, Vista, XP).

There are a great number of operation scenarios for ISDs. On the following pages you will find some examples!

BENEFITS

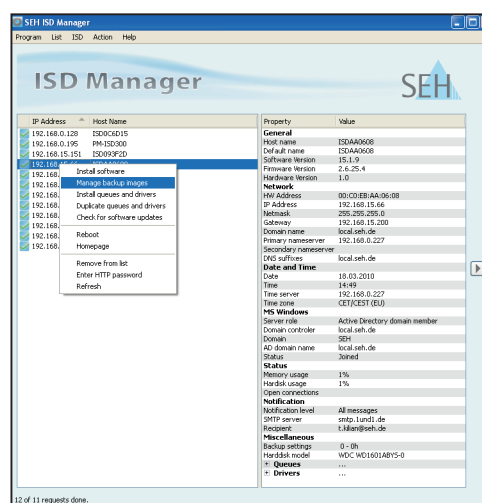
- No extra hardware costs for mouse, keyboard, monitor etc.
- No extra software costs for licences, free updates
- Minimum maintenance, maximum system stability, and highest availability of print services
- No specially trained staff required
- Many value-added features – many fields of application!

FIELDS OF APPLICATION

- Workgroup solution for small to medium businesses
- Decentralized sprint spooler in large businesses and organizations with distributed printing
- Outlets and branch offices without a central server
- WAN environments

FIELDS OF APPLICATION

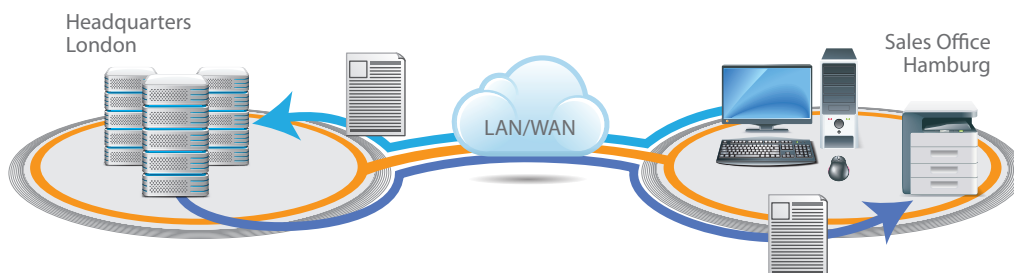
- Enterprise solution
- Decentralized sprint spooler in large businesses and organizations with distributed printing
- Outlets and branch offices without a central server
- WAN environments



DISTRIBUTED PRINTING

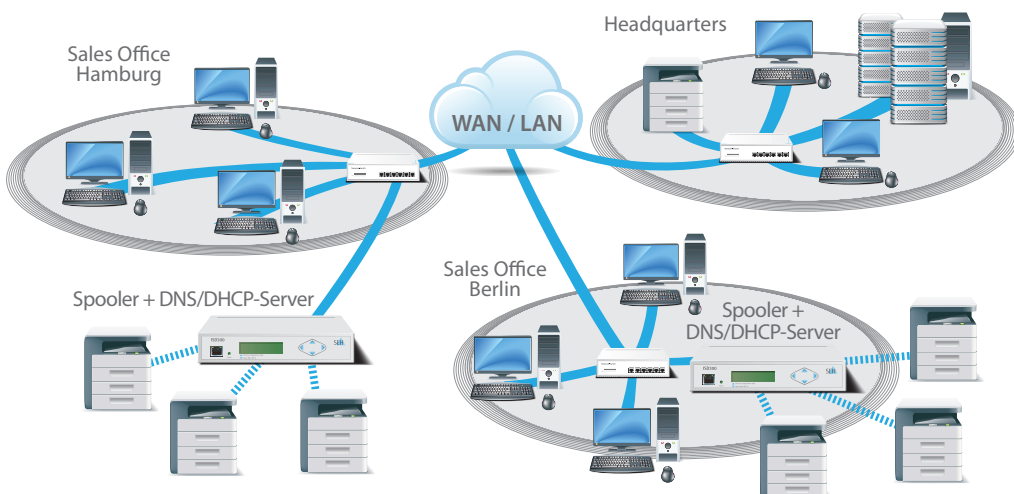
ISD Solutions

Distributed Printing Without Intelligent Spooling Devices



When a central server is operated as print spooler, print jobs will be sent across the whole network to the server and from there to the respective printer. Frequent and / or large print jobs put a strain on the network infrastructure.

Distributed Printing With Intelligent Spooling Devices



Intelligent Spooling Devices as decentralized Print Spooler

ISD300 and ISD400 are the ideal network solutions for distributed networks with several nodes (work groups, departments, subsidiaries, branch offices etc.). Print jobs remain in the local network segment, where they are buffered on the ISD. The strategic operation of the appliance as local print or workgroup spooler in distributed networks (WAN) limits data traffic locally. The result is a significantly lower network load and less connection costs.

BENEFITS

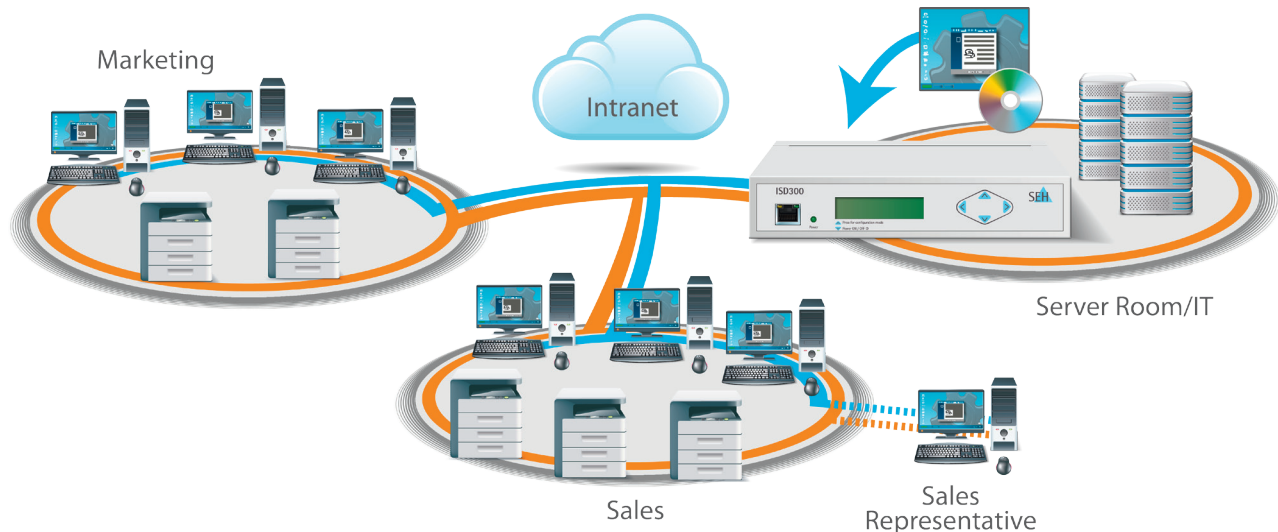
- Reduction of data traffic in a network
- Limiting data traffic in a network to local segments
- Reduction of network load
- Reduction of connection costs in extensive WAN structures

FIELDS OF APPLICATION

- Decentrally organized network structures
- Businesses with branch offices, outlets, subsidiaries etc.
- Workgroups
- Networks with highly complex, overworked server architectures

CENTRAL PRINTER DRIVER MANAGEMENT

ISD Solutions



Both ISD300 and ISD400 support the Point-and-Print functionality by Microsoft for central printer driver management. Simply store all required printer drivers to the appliance. From there they will be uploaded to each workstation which requires them. You no longer have to install printer drivers manually on the workstations. Instead, you can manage printer driver settings (e.g. duplex, paper trays) centrally and distribute drivers via the ISD.

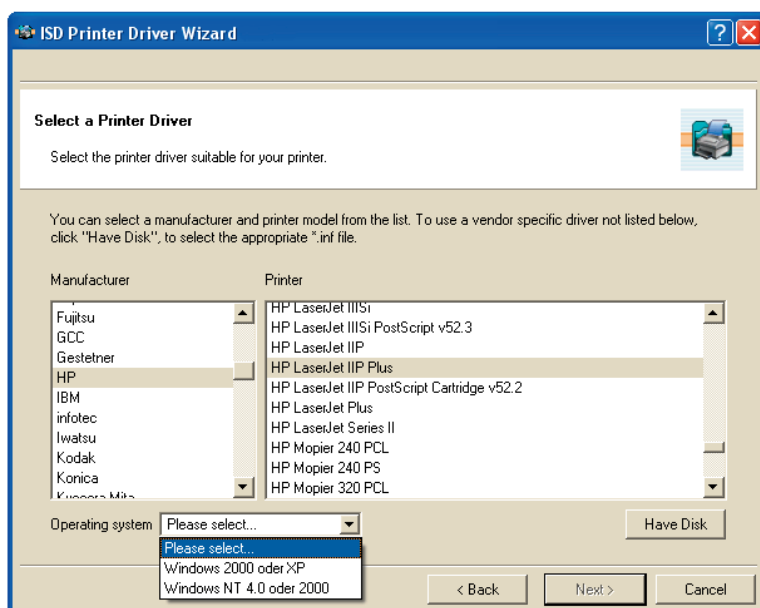
Your field staff does not need to install any printer drivers when visiting a branch office – they can simply start to print!

SEH has developed some useful tools to make it all even easier for you!

The SEH ISD Printer Driver Wizard simplifies storing all required printer drivers to the ISDs. It collects all required files for installing and managing a certain printer driver. This packet can simply be uploaded to an ISD, making the process much easier than the manual installation required in a Windows environment.

BENEFITS

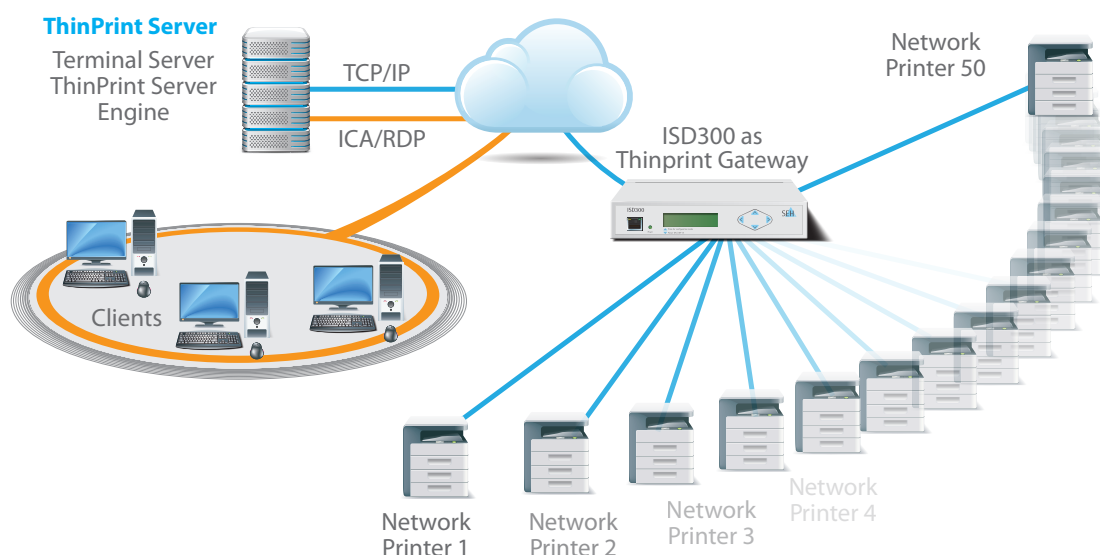
- Time-saving central printer driver management
- Automatic printer driver updates centrally via ISD appliance
- Smooth access to network printers for mobile field staff



If you operate several ISD appliances in a network the SEH ISD Manager is a very useful tool. You can use it to build a database with all printer drivers used in the network. From there you can upload every printer driver unto any ISD300 or ISD400 in the network. (Read more on page 3!)

THINPRINT GATEWAY

ISD Solutions



If you utilize the print management solution ThinPrint for bandwidth optimization and control, the ISDs can function as a ThinPrint Gateway for up to 50 network printers per ISD300 and for up to 150 network printers per ISD400. The integrated ThinPrint Client allows the ISDs to function as an upstream ThinPrint client which receives ThinPrint compressed and bandwidth-optimized print data from the ThinPrint server and decompresses this data in the local network. The decompressed data is then sent in its original form to the available print servers in the LAN. As ThinPrint Gateway the ISDs also support valuable ThinPrint features such as AutoConnect and are compatible with the Connection Services.

To protect your print data the ISDs support ThinPrint SSL encryption of print data and can decrypt ThinPrint SSL-encrypted print jobs to pass them on to the respective network printers.

ThinPrint®
A Brand of  **CORTADO**

BENEFITS

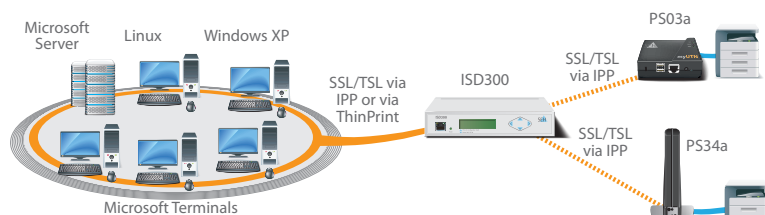
- Gateway for non-Thinprint clients
- Decompression of print jobs for printers and MFPs in ThinPrint environments
- Securing application performance by limiting bandwidth available for print jobs
- ThinPrint SSL support for securing print data
- Faster print data transmission and lower connection costs
- Less per printer cost (TCO)

FIELDS OF APPLICATION

- All ThinPrint environments
- Businesses and organizations with outlets or subsidiaries
- WANs with narrow bandwidth or dial-up connections (server based computing, desktop virtualization)
- Distributed networks, workgroups, outlets etc.
- All networks with frequent and large print jobs

MORE ISD SOLUTIONS

Three Examples

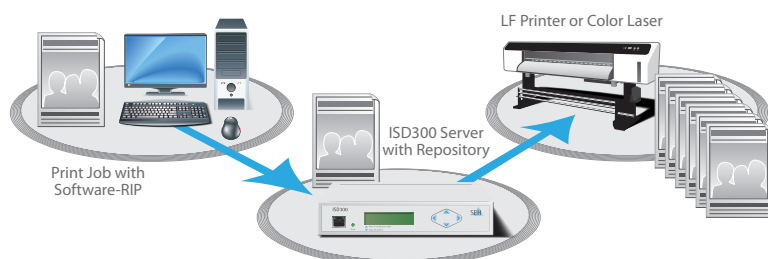


Secure Printing and Access Protection

The Intelligent Spooling Devices have a comprehensive security package. This includes the following features & benefits:

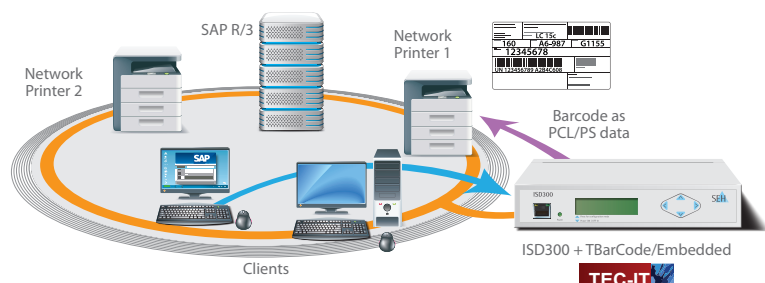
- Lock option panel
- Password protection for the configuration menu
- Support for Windows Active Directory (user-based access control of printers/queues)
- Web page encryption using HTTPS
- Certificates
- ISDs can receive SSL-encrypted print data via IPP and can forward the data encrypted to the network printer
- IPP secure
- HTTPs (SEH print servers)
- ThinPrint SSL

These features support a simple and safe encrypted printing process, even up to the printer.



Copy Queue and Offloading Print Jobs (Repository)

The generation of print data for posters and bills with RIP software is complex and time-consuming. Print jobs which you have generated in this manner can be buffered on the ISD and printed again when needed without having to render the print data anew. Simply store all print documents which you have to print repeatedly (e.g. price lists, product flyers) on the ISD and copy these as often as you like without having to refer to any other application.



Platform for Filter Applications

ISD300 and ISD400 easily adapt to individual environments and demands. You can use the appliance as a basis for special printing software solutions or for your own solutions, e.g. filter applications developed by third parties. These filters can transform or expand print data, as in barcode printing (SAP etc.): For example, the software solution TBarCode/Embedded by TEC-IT in combination with an ISD turns PS (Postscript) and PCL printers into barcode printers quickly and easily. You find more information on the Internet at www.tec-it.com.



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