

## Simply Better Printing – in Any IT Architecture

Feature	Description	Thin-Print Engine	RDP Engine	Desktop Engine
<b>Driver Free Printing</b>	One virtual printer driver, the ThinPrint Output Gateway, replaces all printer drivers on the printing server or desktop.	✓	✓	✓
<b>Advanced Adaptive Compression</b>	Intelligent compression process that adapts to the print job content and the available bandwidth and reduces print data by up to 98%. The results are fast printing and no more bandwidth congestion because compression is applied at every point and with all protocols.	✓	✓	✓
<b>ThinShare</b>	Compression anywhere the ThinPrint Output Gateway virtual driver is used, without additional software installation. This enables the compression from a PC in a branch office to the central print server, for example.	✓		
<b>New in 10.6</b> <b>Mobile Session Printing from iOS Devices</b>	Intuitive iPad and iPhone printing from any remote or virtual desktop session directly to locally available AirPrint™ printers.	Premium		
<b>Mixed 32-bit and 64-bit print environments</b>	Reliable printing where mixed 32-bit and 64-bit operating systems are being used on servers, client PCs or virtual desktops.  Example: Migrating to 64-bit does not require any investment in new printer hardware, not even if there are no 64-bit printer drivers available for existing printers.	✓	✓	✓
<b>SSL / TLS encryption</b>	Transmission of print jobs with 128-bit encryption and reliable protection of highly sensitive documents. ThinPrint software integrated into the hardware allows end-to-end encryption right to the printer.	✓	RDP encryption	✓

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<b>Direct printing to thin clients, network printers and print boxes</b>	Direct printing to thin clients, print boxes or network printers – either without a session or over an existing one.	✓		✓
<b>Support of remote print servers and print appliances</b>	Direct printing via TCP/IP – compressed and optimized for bandwidth – to remote print servers (e.g., in branch offices) or print appliances.	✓		✓
<b>Optimized native printing</b>	High-compression transmission of print data also when using original printer drivers.	✓	✓	✓
<b>Support of various protocols when sending print jobs</b>	Optimized transmission of the print data over the protocols ICA/HDX, RDP/RemoteFX, TCP/IP, LPR/LPD.	✓	Only RDP	✓
<b>Connection-oriented bandwidth management for print data</b>	Unlike simple user-based methods, this never exceeds the defined maximum bandwidth for printing, not even when multiple users print at the same time.	✓		
<b>Automatic printer mapping by AutoConnect</b>	ThinPrint AutoConnect ensures that the desired printers are always available to users in ICA or RDP sessions or to those working on virtual or physical desktops.	✓	✓	✓
<b>Tracking Service/ Report Engine</b>	Comprehensive collection and analysis of company-wide printing behavior and the resulting print costs.	Premium		
<b>Session-in-Session support</b>	Automatic creation of printers in environments in which users connect to the target computers through multiple sessions.	✓		
<b>Integration of central print servers</b>	A central print server unburdens the application servers and virtual desktops and simplifies the printer driver management.	✓		
<b>Cluster support</b>	Highest levels of reliability from cluster support.	Premium		

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<b>V-Layer – optionally keep all clients and remote desktop servers free of printer drivers</b>	Benefit from Driver Free Printing on remote desktop servers and clients: original printer drivers are kept on the central print server, individual machines only use the ThinPrint Output Gateway virtual printer driver.	✓		
<b>Creation of a secure client-side print tunnel</b>	Thanks to the ThinPrint Connection Service, network printers can be addressed in masked networks. Branch offices can operate without leased lines or VPN connection.	Premium		
<b>Centralized, dynamic setup and management of the print environment</b>	ThinPrint Management Center facilitates the simplified, database-supported setup and management of complex ThinPrint environments and gives a complete overview of hardware, drivers, clients, and branch offices.	Premium		
<b>Support of the enhanced print options including finishing options</b>	Thanks to the virtual printer driver, almost all print options and properties of the target printer – including finishing options of a multi-function printer like hole-punch, staples and binding – can be used in all IT architectures.	✓	✓	
<b>Centralized configuration via MMC</b>	Centralized configuration through seamless integration of all ThinPrint controls as a snap-in in the Microsoft Management Console.	✓		✓
<b>Automated print processes thanks to VirtualCopy</b>	With just one click, send up to five copies of documents to different printers in various qualities also enabling e-copy archiving.	✓		
<b>Cloud printer</b>	Cloud printing is fully independent of the remote desktop technology, also works from native apps on the mobile devices (e.g., iPad).	✓	✓	
<b>Print-to-ePaper</b>	Print files as an e-copy (PDF) and sync them to mobile device like iPad.	✓	✓	
<b>Streaming print data</b>	Printout starts immediately (as soon as the first page is processed and transmitted), not until after the whole print job is sent.	✓	✓	✓

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<b>Trouble-free batch printing when using host systems</b>	Thanks to the Host Integration Service, integration of externally generated host print streams in Citrix XenApp and Microsoft Remote Desktop Service environments and secure transmission over the ICA/HDX or RDP channel.	Premium		
<b>ThinPrint Font Management</b>	Intelligent font management provides reliable printing results and significantly lower transmitted data.	✓	✓	
<b>SpeedCache</b>	Repeating elements in a print job, such as logos and fonts, are only transmitted once, which significantly speeds up the printout.	✓	✓	
<b>Virtual Channel Gateway</b>	Sends print jobs from central print servers through a virtual channel of an ICA/HDX or RDP connection to the clients when printing over TCP/IP is not possible (e.g., when printing in a home office).	✓		
<b>Port Pooling</b>	Increased print performance through parallel transmission of multiple print jobs.	✓		
<b>Dynamic Printer Matrix</b>	Configuration table that IT can use to automate which client printers are mapped and which templates are connected to. This allows the creation of printers according to IP area, client, printer, class, or driver name. It also automatically detects whether it is a Windows, Unix, Java or other client. Local printers may also be explicitly excluded from mapping if so required.	✓		
<b>One standardized interface (GUI) for all printers from all vendors</b>	The ThinPrint Output Gateway virtual printer driver provides a standardized, user-friendly print dialog box for all printers. This reduces help desk calls.	✓	✓	✓
<b>Print data compression in Wi-Fi networks</b>	ThinShare relieves the Wi-Fi network too and avoids bandwidth congestion with high print data compression rates.	✓		
<b>Preset cost-saving printer settings</b>	Presetting printer settings like black-and-white or duplex printing per user or group lowers the print and paper costs.	✓	✓	

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<b>Unsupervised installation</b>	Unsupervised installation of ThinPrint components and license keys using Setup.exe or .msi file.	✓	✓	✓
<b>HTML5 license manager</b>	Flexible management and activation of licenses in a clearly laid out HTML5 management console.	✓		
<b>Support for Mac</b>	In iOS environments, the ThinPrint client for Mac enables the receipt and decompression of print jobs and their forwarding to print devices.	✓		✓
<b>Driver Free Printing for Mac</b>	Printer settings are carried over from the Mac client printers.	✓		✓
<b>Support for Linux clients</b>	The ThinPrint Linux client allows Linux clients to forward print jobs from network printers directly to internal and external print servers LPR/LPD.	✓		
<b>User-defined compression</b>	Within the compression levels preset by the administrator, users can adjust specific compression settings in a session.	✓	✓	✓