

## Solution Comparisons

UniPrint has conducted a series of comparison studies between UniPrint and several other printing solutions, including ThinPrint, triCerat and Citrix. These comparisons were based on a number of key criteria, identified by our customers, as crucial to selecting a printing solution for their organizations.

The following “Product Comparisons” highlight our key findings.

### Product

**Universal Printer Driver**

UniPrint Server allows Terminal and Citrix server administrators to easily manage client printers using a single universal printer driver.

**Gateway Solution**

Gateway solutions allow administrators to easily manage thin client print requirements using universal printer driver solutions and Windows print servers. By implementing a gateway solution Terminal/Citrix server performance and stability is instantly improved by eliminating the need to manage multiple print queues and their drivers.



For more information about the UniPrint Suite of Products, e-mail us at [sales@uniprint.net](mailto:sales@uniprint.net)

## UniPrint Server 6.0 Product Comparison

Although Citrix and Microsoft Terminal Services provide industry leading solutions in application delivery, many users continue to experience critical printing challenges. In addition to offering simplicity – one universal printer driver, the UniPrint solution also provides the following key benefits:

- | Allows users to print from any location while maintaining a seamless printing experience.
- | Increases flexibility and portability, since print jobs are converted to PDF format.
- | Simplifies configuration and management through the improved UniPrint Management Console and Active Directory.

### UniPrint Server 6.0



#### General Information

##### Reliability

<ul style="list-style-type: none"> <li>[-] Automated Recovery The UniPrint automated driver and printer recovery allows for the fastest recovery time in the event of a critical system failure.</li> <li>[-] Document Rendering UniPrint, the PDF-based print solution, provides the best match when compared with original application output.</li> </ul>	<table border="0"> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✗</td> <td style="width: 20px;">✗</td> <td style="width: 20px;">✗</td> </tr> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">■</td> <td style="width: 20px;">■</td> <td style="width: 20px;">■</td> </tr> </table>	✓	✗	✗	✗	✓	■	■	■
✓	✗	✗	✗						
✓	■	■	■						

##### Support Options

<ul style="list-style-type: none"> <li>[-] Phone Your UniPrint support package entitles you to full telephone-based support with a fully trained UniPrint Support Analyst. With UniPrint opening a support incident is just a phone call away.</li> <li>[-] E-mail If you have a quick question sometimes the best way to get a quick response is to e-mail the people who know best.</li> <li>[-] Web The UniPrint Web forum is monitored by our best Support Analysts and Developers, as well as many UniPrint customers with extensive experience.</li> </ul>	<table border="0"> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✗</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> </tr> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✗</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> </tr> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> </tr> </table>	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
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##### Usability

<ul style="list-style-type: none"> <li>[-] Minimal User Retraining The intuitive design of UniPrint creates a standard printing experience for all users, regardless of client side hardware. This avoids retraining, and simplifies printing to ANY printer by providing a standard experience.</li> <li>[-] Configuration Management With features such as group policy configuration, and per-user preferences, UniPrint allows each user to set the exact settings they need to print at their best. Most other solutions provide only machine defaults.</li> </ul>	<table border="0"> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> </tr> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✗</td> <td style="width: 20px;">✗</td> <td style="width: 20px;">✗</td> </tr> </table>	✓	✓	✓	✓	✓	✗	✗	✗
✓	✓	✓	✓						
✓	✗	✗	✗						

##### Security

<ul style="list-style-type: none"> <li>[-] Encrypted Transfer Like most solutions, UniPrint supports all RDP and ICA encryption levels.</li> </ul>	<table border="0"> <tr> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> <td style="width: 20px;">✓</td> </tr> </table>	✓	✓	✓	✓
✓	✓	✓	✓		

## Savings

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>[-] Bandwidth Savings           <ul style="list-style-type: none"> <li>When compared across many sample documents, UniPrint rates the best for print job compression, saving precious bandwidth over slower WAN connections.</li> <li>See "Technical Information" below for more details.</li> </ul> </li> <li>[-] Administrative Savings           <ul style="list-style-type: none"> <li>When considering key factors such as deployment and configuration management, UniPrint rates the highest with the simplest configuration and out-of-the-box functionality.</li> </ul> </li> <li>[-] Pricing           <ul style="list-style-type: none"> <li>When comparing license models and per-server costs, UniPrint ranks as the least expensive solution to implement.</li> <li>*Prices may vary by reseller.</li> </ul> </li> </ul> | <p>✓ ✗ - ✗</p> <p>✓ ✗ - -</p> <p>✓ ✗ - -</p> |
|---|--|

## Technical Information

### Administrative Experience

#### Requirements

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>[-] Server Software           <ul style="list-style-type: none"> <li>Of the solutions reviewed, all require the installation of server-side software making deployment options a critical factor when selecting a Universal Print Solution.</li> </ul> </li> <li>[-] Client Software           <ul style="list-style-type: none"> <li>Of the solutions reviewed, all require the installation of client-side software making deployment options a critical factor when selecting a Universal Print Solution.</li> </ul> </li> <li>[-] Bandwidth (Ranked)           <ul style="list-style-type: none"> <li>In a random sampling of 7 print jobs, other solutions achieved sizes of about 2.5 megabytes. UniPrint offers a bandwidth savings of nearly 90% at 329 kilobytes.</li> </ul> </li> <li>[-] Embedded Fonts           <ul style="list-style-type: none"> <li>Embedded fonts are critical for accurate printouts. ThinPrint does not support font embedding; and use of font embedding in Citrix PS4 increased print job file size. Subset embedding allows for optimal file sizes and content preservation.</li> </ul> </li> <li>[-] Text and Images           <ul style="list-style-type: none"> <li>A large Word document containing text and many types of images is commonplace in many enterprises, UniPrint offers an 84% reduction in transfer size over the leading competitors.</li> </ul> </li> <li>[-] Slide Presentations           <ul style="list-style-type: none"> <li>Slide Presentations often contain many embedded images, causing EMF-based print jobs to drastically increase in size to nearly 8.5 megabytes, when compared with UniPrint's 0.4 megabytes, a savings of 95%.</li> </ul> </li> <li>[-] Photo Quality Images           <ul style="list-style-type: none"> <li>By accurately rendering images with JPEG compression UniPrint can achieve bandwidth savings upwards of 91%.</li> </ul> </li> </ul> | <p>✓ ✓ ✓ ✓</p> <p>✓ ✓ ✓ ✓</p> <p>✓ ✗ - ✗</p> <p>- ✗ ✓ ✗</p> <p>✓ - - ✗</p> <p>✓ - - ✗</p> <p>✓ ✗ ✗ ✗</p> |
| <h4>Compatibility</h4> <ul style="list-style-type: none"> <li>[-] 64-bit           <ul style="list-style-type: none"> <li>UniPrint offers 64-bit print solutions to ease the transition from old 32-bit printer drivers to modern 64-bit architectures. The Citrix Universal Print Driver solution is not available for 64-bit platforms.</li> </ul> </li> <li>[-] Document Portability           <ul style="list-style-type: none"> <li>By rendering print jobs using the Adobe PDF standard, UniPrint print jobs</li> </ul> </li> </ul>   | <p>✓ ✓ ✓ ✗</p> <p>✓ ✗ ✗ ✗</p>  |

can be saved or distributed to any client platform, creating a truly Universal Print Solution. All other solutions use EMF formatting which is only available to Microsoft Windows clients.

#### Client Availability

- ☐ Java Client
 ✓ ✗ ✗ ✗  
 UniPrint's PDF format when combined with Java technology allows for the most portable print jobs rendered.
- ☐ Mac OS Client
 ✓ ✗ ✗ ✗  
 Mac OS X has a quickly expanding client base and requires support for printer drivers which may not be available to Windows servers. UniPrint's client for Macintosh relieves this headache.

#### Deployment

##### Server

- ☐ Local Installation
 ✓ ✓ ✓ ✓  
 All reviewed software solutions can be installed locally.
- ☐ Active Directory Deployment
 ✓ ✗ ✗ ✗  
 The UniPrint MSI installation package fully supports software management through Active Directory.

##### Client

- ☐ Local Installation
 ✓ ✓ ✓ ✓  
 All reviewed client software can be installed locally.
- ☐ Web Interface
 ✓ ✓ ✓ ✓  
 All reviewed client software supports deployment of an ActiveX client through the Citrix and Microsoft Terminal Services Web Interfaces.
- ☐ Active Directory Deployment
 ✓ ✗ ✗ ✓  
 The UniPrint MSI installation package fully supports software management through Active Directory.
- ☐ Automatic Upgrades
 ✓ ✗ ✗ ✓  
 Only UniPrint supports automated client updates at connection time.

#### Configuration

- ☐ Localized
 ✓ ✓ ✓ ✓  
 All solutions support per-machine configurations.
- ☐ Regionalized
 ✓ ✗ ✗ ✗  
 With Active Directory integration UniPrint can quickly be configured to support every user's specific needs based on their location, department, business-role or even continent.
- ☐ Group Policy Control
 ✓ ✗ ✗ ✗  
 The same technology used by Microsoft to secure and configure your terminal server can now be used to configure UniPrint across multiple servers and users, quickly and easily. Group Policy control also allows automated configuration of new UniPrint installations.
- ☐ Roaming User Preferences
 ✓ ✗ ✗ ✗  
 Every user's needs are slightly different, and only UniPrint can preserve their individual configuration preferences across multiple servers and sessions.

#### Features

- ☐ Bandwidth Control
 ✓ ✓ ✓ ✓  
 All solutions reviewed support bandwidth throttling; allowing an administrator to better share traffic among hundreds of users, applications and services.
- ☐ Active Directory Integration
 ✓ ✗ ✗ ✗  
 Using Active Directory deployment and configuration, UniPrint can be installed and customized on a Terminal/Citrix server or client PC without ever physically connecting to it.

## Reliability

- [-] Automated Recovery ✓ ✗ ✗ ✗  
The UniPrint automated driver and printer recovery allows for the fastest recovery time in the event of a critical system failure.
- [-] Session Control ✓ ✗ ✗ ✗  
Features available only to UniPrint such as delayed job management, session transient preferences, and automatic connection type detection ensure print systems are consistently available to users.

## User Experience

### Rendering

- [-] Image Support ✓ - ✗ -  
UniPrint offers several types of image compression and the ability to automatically choose the best type for your print job, ensuring optimal job size and quality. With this technology image intensive jobs were compressed by UniPrint up to 89% more efficiently.
- [-] Overlapping ✓ ✓ ✗ ✓  
When compressing overlapped images, ScrewDrivers was unable to accurately render the test images. UniPrint, and ThinPrint achieved comparable results.
- [-] Transparent ✓ - ✗ -  
When compressing transparent images UniPrint achieved compression sizes up to 85% smaller than all competitors.

### Font Support

- [-] Third-Party Fonts ✓ ✗ ✓ ✓  
According to ThinPrint documentation font embedding is not supported. This creates a heavy burden when managing font sets across client machines with unique software versions.
- [-] Licensed Fonts ✓ ✗ ✓ ✓  
According to ThinPrint documentation font embedding is not supported. This creates a heavy burden when managing font sets across client machines with unique software versions.

### Options

- [-] Paper sizes ✓ ✗ ✗ ✗  
Since printing requirements and output trays vary by business UniPrint supports more paper sizes than any other competitor. This allows for the most portable print jobs in the industry, allowing jobs to be saved for later printing if a printer is unavailable due to location.
- [-] Standard Paper Sizes ✓ ✓ ✓ ✓  
All solutions reviewed support standard paper sizes such as Letter, Legal and A4.
- [-] All Paper Sizes ✓ ✗ ✗ ✗  
Only UniPrint offers support for all form sizes available on a terminal server.
- [-] Custom Forms ✓ ✗ ✗ ✗  
UniPrint also offers support for custom form sizes defined on a terminal server allowing for the best application compatibility on the market.

### Paper Handling

- [-] Orientation ✓ ✓ ✓ ✓  
All solutions reviewed supported portrait and landscape orientation equally well.
- [-] Duplex ✓ ✓ ✓ ✓  
All solutions reviewed supported duplex options equally well.
- [-] Tray Selection ✓ ✓ ✓ ✓  
All solutions reviewed offered tray selection options to handle multiple paper sources and sizes, including auto-select.

☐ Extended Printer Options ✓ ✓ ✓ ✓  
 Extended printer options are device specific and driver dependant on the client side. All solutions allow the client to set device specific options before final rendering occurs.

Features

☐ Administrator Controlled ✓ ✓ ✓ ✓  
 When considering available features, it is critical that an Administrator still have control over which features are available to users to ensure security and reliability.

☐ Roaming User Preferences ✓ ✗ ✗ ✗  
 Only UniPrint optionally preserves a user's preferences across multiple connections to multiple servers.

☐ Preview Option ✓ ✓ ✗ ✓  
 Optionally a print job may need to be previewed before it is sent to a printer to ensure output is as desired, conserving paper and ink/toner. This option is not currently available in triCerat ScrewDrivers.

☐ Save to PDF ✓ ✗ ✗ ✗  
 Saving a print job to be printed at a later time, or distributed to other users conserves time and paper, helping mobile users work more effectively. Although some solutions boast the ability to save a print job as a PDF only UniPrint natively supports this format.

☐ E-mail Option ✓ ✗ ✗ ✗  
 Information exchange in the enterprise is a critical part of everyday business. By distributing print jobs in a portable format to multiple users, using business staples such as PDF and SMTP, UniPrint creates more portable print jobs.

For more information about the UniPrint Suite of Products, e-mail us at [sales@uniprint.net](mailto:sales@uniprint.net)

## UniPrint Gateway Product Comparison

UniPrint Gateway empowers Enterprise Networks to provide a consistently fast print experience to users across platforms, offices, and continents. Like UniPrint Server, UniPrint Gateway also improves system stability and performance, unifying and vastly improving every users work experience regardless of the location or platform. The UniPrint Gateway solution provides the following key benefits:

- | Allows thin and rich client users easy access to any printer without client-side software.
- | Reduces bandwidth consumption, making printing to satellite offices from Server-based Computing (SbC) environments faster, more reliable and more economical.
- | Provides thin client and PC users the same print flexibility, eliminating the need for costly, unmanaged client-side hardware, while enhancing thin-client printing.
- | Centralized print management provides users across vast distances and platforms with a unified, reliable and fully managed productivity environment.

## UniPrint Gateway



### General Information

#### Reliability

- |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| <ul style="list-style-type: none"> <li>[-] Cluster and Load Balancing Support<br/>Only UniPrint Gateway provides support for both cluster services and load balancing; ensuring critical print infrastructures remain available to all users. ThinPrint Connected Gateway offers cluster support only.</li> <li>[-] Document Rendering<br/>UniPrint, the PDF-based print solution, provides the best match when compared with original application output.</li> </ul> | <table border="0"> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">■</td> <td style="width: 30px;">✗</td> </tr> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">■</td> <td style="width: 30px;">■</td> </tr> </table> | ✓ | ■ | ✗ | ✓ | ■ | ■ |
| ✓   | ■   | ✗ |   |   |   |   |   |
| ✓   | ■   | ■ |   |   |   |   |   |

#### Support Options

- |  |  |   |   |   |   |   |   |   |   |   |
|--|--|---|---|---|---|---|---|---|---|---|
| <ul style="list-style-type: none"> <li>[-] Phone<br/>Your UniPrint support package entitles you to full telephone-based support with a fully trained UniPrint Support Analyst. With UniPrint, opening a support incident is just a phone call away.</li> <li>[-] E-mail<br/>If you have a quick question sometimes the best way to get a quick response is to send an e-mail to the people who know best.</li> <li>[-] Web<br/>The UniPrint Web forum is monitored by our best Support Analysts and Developers, as well as many UniPrint customers with extensive experience.</li> </ul> | <table border="0"> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">✗</td> <td style="width: 30px;">✓</td> </tr> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">✗</td> <td style="width: 30px;">✓</td> </tr> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">✓</td> <td style="width: 30px;">✓</td> </tr> </table> | ✓ | ✗ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ |
| ✓  | ✗  | ✓ |   |   |   |   |   |   |   |   |
| ✓  | ✗  | ✓ |   |   |   |   |   |   |   |   |
| ✓  | ✓  | ✓ |   |   |   |   |   |   |   |   |

#### Usability

- |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| <ul style="list-style-type: none"> <li>[-] Minimal User Retraining<br/>The intuitive design of UniPrint creates a standard printing experience for all users. This avoids retraining, and simplifies printing to ANY printer by providing a standard user experience.</li> <li>[-] Initial Setup Time and Administrative Retraining<br/>Intuitive user interfaces for configuring print server connections and automated installations simplify deployment of UniPrint Gateway and</li> </ul> | <table border="0"> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">✓</td> <td style="width: 30px;">✓</td> </tr> <tr> <td style="width: 30px;">✓</td> <td style="width: 30px;">✗</td> <td style="width: 30px;">✓</td> </tr> </table> | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ |
| ✓   | ✓   | ✓ |   |   |   |   |   |
| ✓   | ✗   | ✓ |   |   |   |   |   |

triCerat Simplify Printing. Neither solution requires extra manual steps or database editing as required by ThinPrint.

[-] Configuration Management ✓ ✗ ✓

With features such as group policy configuration, and per-user preferences, UniPrint allows each user to set the exact settings they need to print at their best. Most other solutions provide only machine defaults.

### Security

[-] Encrypted Transfer ✓ ✓ ✓

Like most solutions UniPrint supports secure communications between application and print servers.

### Savings

[-] Bandwidth Savings ✓ ✗ -

When compared across many sample documents, UniPrint rates the best for print job compression, saving precious bandwidth over slower WAN connections.

See "Technical Information" below for more details.

[-] Administrative Savings ✓ ✗ -

When considering key factors such as deployment and configuration management, UniPrint rates the highest, with the simplest configuration, and out-of-the-box functionality.

[-] Pricing ✓ ✗ -

When comparing license models and per-server costs UniPrint ranks as the least expensive solution to implement.

\*Prices may vary by reseller.

## Technical Information

### Administrative Experience

#### Requirements

[-] Server Software ✓ ✓ ✓

Of the solutions reviewed, all require the installation of server-side software making deployment options a critical factor when selecting a Universal Print Solution.

[-] Eliminates Client Software ✓ ✓ ✓

All three thin-client solutions are designed to operate without specific client-side software by integrating with existing Windows print servers. This eases network printer management for all clients.

[-] Independant Database ✓ ✓ ✗

The UniPrint Gateway solution does not require a separate database server to track configuration information, easing Total Cost of Ownership.

[-] Bandwidth (Ranked) ✓ ✗ -

In a random sampling of 7 print jobs, other solutions achieved sizes of about 2.5 megabytes. UniPrint offers a bandwidth savings of nearly 90% at 329 kilobytes.

[-] Embedded Fonts - ✗ ✓

Embedded fonts are critical for accurate print outs. ThinPrint does not support font embedding, while UniPrint's subset embedding allows for optimal file sizes and content preservation.

[-] Text and Images ✓ - -

A large Word document containing text and many types of images is commonplace in many enterprises, UniPrint offers an 84% reduction in transfer size over the leading competitors.

[-] Slide Presentations ✓ - -

Slide presentations often contain many embedded images, causing EMF-based print jobs to drastically increase to nearly 8.5 megabytes, when compared with UniPrint's 0.4 megabytes, a savings of 95%.

<ul style="list-style-type: none"> <li>☐ Photo Quality Images <ul style="list-style-type: none"> <li>By accurately rendering images with JPEG compression UniPrint can achieve bandwidth savings upwards of 91%.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>✓   ■   ■</li> </ul>
<b>Compatibility</b>	
<ul style="list-style-type: none"> <li>☐ 64-bit <ul style="list-style-type: none"> <li>UniPrint Gateway Module 6.1 will support 64-bit processor architectures.</li> </ul> </li> <li>☐ Document Portability <ul style="list-style-type: none"> <li>By rendering print jobs using the Adobe PDF standard, UniPrint print jobs can be saved or distributed to any client platform, creating a truly Universal Print Solution. All other solutions use EMF formatting which is only available to Microsoft Windows clients.</li> </ul> </li> <li>☐ Tray Mapping (Legacy Application Support) <ul style="list-style-type: none"> <li>To support legacy applications, UniPrint allows administrators to virtualize trays on specific printers. Legacy applications which can only access a specific paper tray can be redirected to any available tray.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■   ✓   ✓</li> <li>✓   ✗   ✗</li> <li>✓   ✗   ✗</li> </ul>
<b>Deployment</b>	
<b>Server</b>	
<ul style="list-style-type: none"> <li>☐ Local Installation <ul style="list-style-type: none"> <li>All reviewed software solutions can be installed locally.</li> </ul> </li> <li>☐ Automated Installation <ul style="list-style-type: none"> <li>UniPrint Gateway and triCerat Simplify Printing require only connection information to complete the installation process. ThinPrint Connected Gateway involves a cumbersome process of manually installing and registering binaries, as well as intricate manual database edits.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>✓   ✓   ✓</li> <li>✓   ✗   ✓</li> </ul>
<b>Configuration</b>	
<ul style="list-style-type: none"> <li>☐ Local Configuration <ul style="list-style-type: none"> <li>All solutions support per-machine configurations.</li> </ul> </li> <li>☐ Centralized Printer Administration <ul style="list-style-type: none"> <li>UniPrint Gateway and triCerat Simplify Printing allow administrators to make critical configuration changes to all printers from one location.</li> </ul> </li> <li>☐ Client Device Binding <ul style="list-style-type: none"> <li>With UniPrint PrintPAL a user's print experience will accurately reflect their physical environment. Specific network printers can be associated to a thin-client device, ensuring the default printer is the closest printer.</li> </ul> </li> <li>☐ User and Group Binding <ul style="list-style-type: none"> <li>With UniPrint PrintPAL, administrators can ensure users receive the default printer that is right for them. With multiple mapping criteria, PrintPAL eliminates the need for intricate logon scripts and processes.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>✓   ✓   ✓</li> <li>✓   ✗   ✓</li> <li>✓   ✗   ✓</li> <li>✓   ✗   ✓</li> </ul>
<b>Features</b>	
<ul style="list-style-type: none"> <li>☐ Encrypted Communications <ul style="list-style-type: none"> <li>Encryption is available for all solutions while transferring data from terminal to print servers. The UniPrint implementation supports many secure PKI encryption options to ensure confidential information remains confidential.</li> </ul> </li> <li>☐ Direct Printing Support (Lexmark Printers) <ul style="list-style-type: none"> <li>To improve print speeds and reduce bandwidth costs, UniPrint can send a PDF directly to a Lexmark printer which can then render the document directly to media without the use of a print server.</li> </ul> </li> <li>☐ Active Directory Security Integration <ul style="list-style-type: none"> <li>With seamless Active Directory Integration UniPrint and triCerat allow administrators to easily manage access rights to printers.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>✓   ✓   ✓</li> <li>✓   ✗   ✗</li> <li>✓   ✗   ✓</li> </ul>
<b>Reliability</b>	
<ul style="list-style-type: none"> <li>☐ Network Load Balancing <ul style="list-style-type: none"> <li>To boost print job transfer speeds and add additional fault tolerance to print infrastructures only UniPrint allows administrators to load balance</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>✓   ✗   ✗</li> </ul>

connections to multiple print and spool servers.

☐ Microsoft Cluster Services Support ✓ ✓ ✗

Cluster Services, supported by UniPrint and ThinPrint, create a high availability print infrastructure. Even during unforeseen outages, cluster services allow an alternate server to seamlessly provide print services to all users.

## User Experience

### Rendering

☐ Image Support ✓ - ✗

UniPrint offers several types of image compression and the ability to automatically choose the best type for your print job, ensuring optimal job size and quality. With this technology image intensive jobs were compressed by UniPrint up to 89% more efficiently.

☐ Overlapping ✓ ✓ ✗

When compressing overlapped images, ScrewDrivers was unable to accurately render the test images. UniPrint and ThinPrint achieved comparable results.

☐ Transparent ✓ - ✗

When compressing transparent images UniPrint achieved compression sizes up to 85% smaller than all competitors.

### Font Support

☐ Third-Party Fonts ✓ ✗ ✓

According to ThinPrint documentation font embedding is not supported. This creates a heavy burden when managing font sets across client machines with unique software versions.

☐ Licensed Fonts ✓ ✗ ✓

According to ThinPrint documentation font embedding is not supported. This creates a heavy burden when managing font sets across client machines with unique software versions.

### Options

☐ Paper Sizes ✓ ✗ ✗

Since printing requirements and output trays vary by business UniPrint supports more paper sizes than any other competitor. This allows for the most portable print jobs in the industry, allowing jobs to be saved for later printing if a printer is unavailable due to location.

☐ Standard Paper Sizes ✓ ✓ ✓

All solutions reviewed support standard paper sizes such as Letter, Legal and A4.

☐ All Paper Sizes ✓ ✗ ✗

Only UniPrint offers support for all form sizes available on a terminal server.

☐ Custom Forms ✓ ✗ ✗

UniPrint also offers support for custom form sizes defined on a terminal server allowing for the best application compatibility on the market.

### Paper Handling

☐ Orientation ✓ ✓ ✓

All solutions reviewed supported portrait and landscape orientation equally well.

☐ Duplex ✓ ✓ ✓

All solutions reviewed supported duplex options equally well.

☐ Tray Selection ✓ ✓ ✓

All solutions reviewed offered tray selection options to handle multiple paper sources and sizes, including auto-select.

### Features

☐ Administrator Controlled ✓ ✓ ✓

When considering available features, it is critical that an Administrator still have control over which features are available to users to ensure security and reliability.

- |  |   |   |   |
|--|---|---|---|
| Printer Aliasing   | ✓ | ✗ | ✓ |
| Awkward printer names required by ThinPrint Connected Gateway create headaches for users. Meaningful queue names created with UniPrint's Aliasing capabilities reduce confusion among users, thus reducing help desk calls.  |   |   |   |
| Save to PDF  | ✓ | ✗ | ✗ |
| Saving a print job to be printed at a later time, or distributed to other users conserves time and paper, helping mobile users work more effectively. Although some solutions boast the ability to save a print job as a PDF, only UniPrint natively supports this format. |   |   |   |
| E-mail Option  | ✓ | ✗ | ✗ |
| Information exchange in the enterprise is a critical part of everyday business. By distributing print jobs in a portable format to multiple users, using business staples such as PDF and SMTP, UniPrint creates more portable print jobs.                                 |   |   |   |

For more information about the UniPrint Suite of Products, e-mail us at [sales@uniprint.net](mailto:sales@uniprint.net)