

Citrix MetaFrame Presentation Server 3.0 & Oki Print Driver Compatibility Test Results

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Oki Data printers have been checked for their operation with MetaFrame Presentation Server 3.0 software in the environments listed below. The printer drivers that have been verified can be downloaded from the Oki Data web site. Please check driver version prior to downloading

1. Evaluation Environment

- Server Operating System, Client OS and Citrix Presentation Server versions used in the evaluation

Windows 2000 Server, SP4, Japanese Version	MetaFrame Presentation Server 3.0 Japanese Language Version
Windows 2003 Server, Standard Edition, Japanese Version	MetaFrame Presentation Server 3.0 Japanese Language Version
Client: Win XP Japanese Version	ICA8.00.24737
Drivers: Oki Japanese Versions	See version numbers below

Full Evaluation conducted with Win 2003 Server, less extensive testing conducted using Win 2000 Server

Mew Model Printers Tested

Japan Model Name	European / Americas Model Name	Driver Type and Version Level	Connected Interface
ML22NR	B4350n	PS: CD-v1.30(2004/4/19RIs) PCL: Same as above	OKI LPR
ML5200	C5200	CD-v1.20(2004/6/16RIs)	OKI LPR
ML5400	C5400	PS: CD-v1.10(2004/4/6RIs) PCL: Same as above	OKI LPR

Existing Models Tested

Japan Model Name	European / Americas Model Name	Driver Type and Version Level	Connected Interface
ML9500PS-F	C9500	PS: v2.1.0.0 Posted on Web 30 July 2003 PCL: v2.1.0 Posted on Web 30 March 2004	OKI LPR
ML9055CV	C9400	PS: v2.5.0 Posted on Web 25 April 2003 PCL: v1.4.5 Posted on Web 10 June 2004	OKI LPR
ML5300	C5300	PS: v1.0.0.0 Posted on Web 30 July 2003 PCL: v1.2.0 Posted on Web 30 March 2004	OKI LPR
ML5100	C5100	GDI_v1.3.0(Posted on Web 30 July 2003	OKI LPR
ML18NR	B4300	PS: v1.1.0.0 Posted on Web 30 July 2003 PCL: v1.0.3 Posted on Web 30 July 2003	OKI LPR
ML2030N	Not Available in Europe and Americas	PS_ v1.07(Posted on Web 20 June 2003	OKI LPR

2. Evaluation Result

Same test results were observed with Presentation Server 3.0 as with MetaFrame XP with FR3. No problems were encountered

No server OS _Windows 2003 Server / Windows 2000 Server_”environment dependent” differences observed, and no problems observed.

Verified operation without problem in new models and existing models listed above.

2.1 GUI function test

Network printers => OK

Client printers => OK

Same result as FR3

2.2 Multiple user printing

2.2.1 Multi-user test (3 user units logged in)

Confirmed that the printer printed the requests from all the users without problem. Same result as FR3.

2.2.2 Continuous print test

Confirmed that the printer could print continuously (about 1H) for multiple users (3 users). => OK. Same result as FR3.

2.2.3 Load test

All 3 users opened TPs with a large load and printed simultaneously. => OK

In some cases, the server's CPU load rate becomes 100% momentarily. This condition was seen from clients as well. Response becomes poor, but it does not affect printing.

2.3 Saving printer settings

2.3.1 Inheriting Properties settings when connecting for the first time

Client printer: (Auto Create Printer)

Device options are not inherited.

Other settings are inherited partially (Paper size, Copies, Resolution)

Network printer: (printer directly connected to the server)

Device options are inherited.

Other settings are not inherited (all becomes driver's default values)

Same result as FR3

2.3.2 Previous printer settings are retained when reconnected:

For a client printer, they are retained.

For a network printer, they are retained.

Same result as FR3

2.4 Universal printer driver (HP CLJ4500) operation check result

Confirmed that in each driver, universal printer driver (UPD) is automatically created, correctly.

Confirmed that color printers could print in color.

Confirmed that there was no problem when printing text and images.

Note: Up until FR3, UPD print result was incorrect, but in this test, the result is OK

There's a tendency for print data to increase when going through UPD (raster conversion), thus, tendency for print job to take longer to print when using UPD.

Note: In UPD up to FR3, incorrect printing occurred frequently in images. In this test however, this phenomenon was not observed. It is unknown, however, whether correct print data is generated without failure because raster conversion is involved. As a result, Oki recommends that a native driver be used, not UPD.

2.5 Precautions when using ML5100/5200 (C5100 / C5200)

No problems were observed when printers are used as network printers.

When the 5100 / 5200 series are used as a client printer, color appearance is not quite correct. (Becomes darker, overall.) Same result was observed when testing with FR3

3.0 Restrictions

No new restrictions / limitations were observed compared to testing with Metaframe xp and FR3

Restrictions from FR3 testing restated

The 5100 / 5200 series can be used as a local or network printer which is a printer that is directly connected to the MetaFrame server, or a printer that is connected to the print server and shared on the Windows network.

Please be advised that the 5100 / 5200 series cannot be used as a client printer (that is displayed in the Printers folder of the client computer).

1. Restrictions for client printers that are automatically created

At the time of auto creation, client printer settings are not inherited, except for some items. Items such as "options" need to be set after auto creation.

The following client setting items are inherited in auto creation:

- Paper size (excluding user defined size and custom size)
- Resolution or print quality
- Print orientation (Portrait / Landscape)
- Copies
- Scale

The printer settings that were created automatically are restored when it is reconnected.

Note: In MetaFrameXP Feature Release2 and later releases, if the item "**Refresh printer setting at log on**" is set to "ON" in the Printer Management Properties on the management console, the above items are updated according to the client side settings. Other items retain the state of the previous login.