

Intermate Advanced Print Server IAPS IPDS – series 200 & 300 Upgrade Guide from Release 3.0 to Release 4.0



For all models: If you are updating from an IPDS Code Version older than 3.0 (G50-30-080), and want to preserve your settings, it is best to update in steps. Software is posted on the "previous releases" page of our website.



1 Special prerequisites for upgrading a series 200 to Release 4 from an earlier release than 4

Read these instructions carefully before attempting an upgrade of your IAPS IPDS 200 in order to ensure that your hardware is capable of running the upgrade.

Upgrading to this firmware version on hardware that does not support V4 can make it malfunction to a degree where it can no longer be used until it is re-initialized at the Intermate production facility.

Go to section 1.1 "Why version 4 requires enhanced hardware in the 200 series" on page 1.

If you are upgrading an appliance in the 300 series, you may go directly to section 2 "Standard prerequisites" on page 3



1.1 Why version 4 requires enhanced hardware in the 200 series

This release includes several new IPDS features, such as:

- 1) DBCS (Double Byte Character Set) Support.
- 2) Object container for graphical objects (GIF, JPEG and FS45 IOCA Tiles)
- 3) Object container support for font objects (TrueType, OpenType)
- 4) Significant performance optimization on especially full color printing.

These features and enhancements have resulted in an increased Flash and RAM consumption. Hardware in the 200 series may not have sufficient capacity.

1.2 What to look for BEFORE attempting an upgrade

Open the Web GUI of the IAPS IPDS (Overall Status) and look at Flash Size and Flash Partition Size for Server (screen shot next page).

Status: Overall Status			
Device Name :	MJN's IAPS	Firmware - System Code Version :	v62_2_07
Device Location :	IMA test Lab.	Firmware - IPDS code Version :	G50-30-080-2
Device IP :	222.5.4.205	IAPS Model :	IAPS IPDS 200-2c
MAC Address :	00:00:24:c5:a2:e0	Total Throughput :	100 ppm b/w
Equipped with Flash Size :	64 MB	Flash Partition Size for Server :	9 MB

If Flash Size = 16MB or Less & Flash Partition Size = 9MB or Less

- Unfortunately your IAPS hardware does not support this firmware version.
- Do NOT attempt to upgrade with this firmware version.
- Contact Intermate sales for a quote for a replacement unit.

If Flash Size = More than 16MB & Flash Partition Size = 9MB or Less

- Do NOT attempt to upgrade with this firmware version.
- Your hardware will support this firmware version, if it is "ground-formatted" at the Intermate Production facility in Denmark.
- This is done for free. You will, however, be charged for the shipment of the unit.
- BEFORE sending the hardware, remember to make an export of the Configuration Profile through the IAPS Web GUI (Configuration: Import or Export). Write down the Network Settings, which are not included in the configuration export.
- BEFORE sending the hardware, please request a Return Material Authorization (RMA) Number. A request form and instructions are found at <http://www.intermate.com/rma>.
- You should expect to receive the re-factored unit within 2 weeks after Intermate receives it. The system firmware V62 and the IPDS firmware will be updated. Your hardware will be reset to factory defaults.
- Establish contact and configure network settings as shown in the Getting Started document (visit <http://www.intermate.com/iapsipds> for the newest material).
- Import your configuration file from the IAPS Web GUI.

If Flash Size = More than 16MB & Flash Partition Size = More than 9MB

Your hardware will support this firmware version without any modifications. Start with section 2 "Standard prerequisites" on page 3.

Note that even after the upgrade, your hardware may not be able to exploit all of the new features (as shown in section 4 "What to look for AFTER upgrade of an IAPS IPDS 200", on page 4) - but it will in any case be able to support the new firmware and most of the new features.

2 Standard prerequisites

To upgrade an IAPS IPDS Series 200 or IAPS IPDS Series 300, download the System Code and IPDS Code files from the support portal (<http://www.intermate.com/iapsipds> - follow the link to Firmware, Release Notes and Upgrade Guide). Save the files to a drive accessible to your computer.


Firmware - System Code	Series 200: v62_2_07.ffs	Series 300: v67_2_09.ffs
Firmware - IPDS Code	G50-40-xxx-update (if you want to preserve configurations) G50-40-xxx-setup (if you want to start afresh) (40 = Release 4.0) (xxx = Build number, not known at the time of writing)	

About the Certificate File: The certificate will be preserved regardless of which firmware version you use.

3 The firmware upgrade procedure

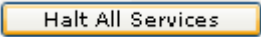


3.3 Take a backup of the configuration profile

This file contains all Settings, Drivers and Driver Templates. To take the backup:

- 5) Log in to the IAPS.
- 6) "Configuration: Import or Export"
- 7) Click .
- 8) Name the file e.g. IAPS200.cfg or IAPS300.cfg and save it on your computer.

3.4 Install the System Code Update File

Log in to the IAPS if you have not already done so.

- 1) Actions: Halt and reboot
- 2) Click .
- 3) When all services are halted, select Actions: Load Firmware or License
- 4) Click .
- 5) Locate and select the system code, e.g. v62_2_07.ffs or v67_2_09.ffs
- 6) Click  and wait for the IAPS to reboot.
- 7) Text shown while the system is rebooting.

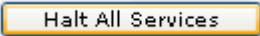
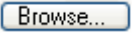

Loading firmware or license. The system will be restarted automatically...

Your browser will try to reconnect after 40 seconds.
If the restart takes more than 40 seconds, your browser may report that it cannot find the server.
One or two browser refreshes will usually establish the connection.

- 8) After the reboot, log in again.
- 9) Check Status: Error Log.
- 10) Check Status: Firmware Version to be sure that the System Code Version has been updated. If not, try again.

3.5 Install the IPDS Code File

Log in to the IAPS if you have not already done so.

- 1) Actions: Halt and reboot
- 2) Click 
- 3) When all services are halted, select Actions: Load Firmware or License
- 4) Click 
- 5) Locate and select the G50-40-xxx-update file.
- 6) Click  and wait for the IAPS to reboot.
- 7) Text shown while the system is rebooting.

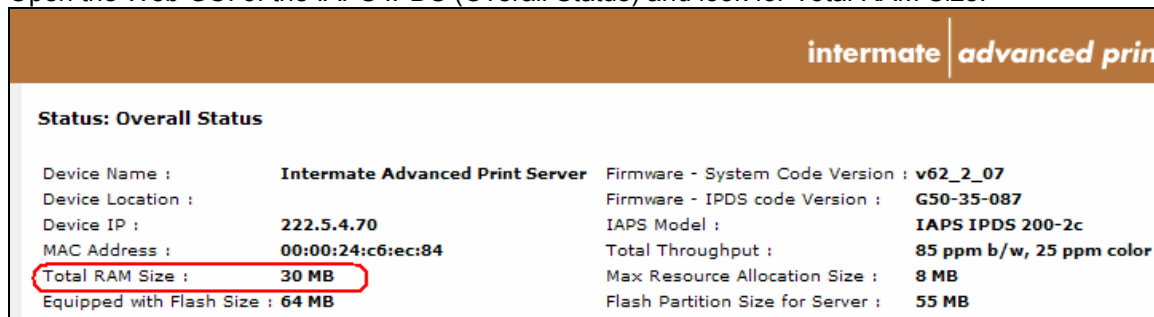
Loading firmware or license. The system will be restarted automatically...

Your browser will try to reconnect after 40 seconds.
If the restart takes more than 40 seconds, your browser may report that it cannot find the server.
One or two browser refreshes will usually establish the connection.

- 8) After the reboot, log in again.
- 9) Check Status: Error Log.
- 10) Check Status: Firmware Version to be sure that the IPDS Code Version has been updated.

4 What to look for AFTER upgrade of an IAPS IPDS 200

Open the Web GUI of the IAPS IPDS (Overall Status) and look for Total RAM Size:



Status: Overall Status			
Device Name :	Intermate Advanced Print Server	Firmware - System Code Version :	v62_2_07
Device Location :		Firmware - IPDS code Version :	G50-35-087
Device IP :	222.5.4.70	IAPS Model :	IAPS IPDS 200-2c
MAC Address :	00:00:24:c6:ec:84	Total Throughput :	85 ppm b/w, 25 ppm color
Total RAM Size :	30 MB	Max Resource Allocation Size :	8 MB
Equipped with Flash Size :	64 MB	Flash Partition Size for Server :	55 MB

Total RAM Size = Less than 32MB

- Your IAPS will print the same jobs as before upgrade, and will print most jobs that include the new AFP objects released with this firmware version.
- Since Object Container images, TrueType fonts and DBCS can be very RAM consuming, you should not expect to print the more complex job compositions. The IAPS will generate an IPDS exception if resources exceed the available RAM, so you will be able to troubleshoot.

Total RAM Size = More than 32 MB

- Your IAPS is able to print a large variety of complex production print jobs, including images, DBCS fonts, TrueType fonts etc.

5 Notices

5.1 Publication

Upgrade Guide 4.0. 13 March 2007

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Product Support Portal: <http://www.intermate.com/iapsipds>

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