# Tech Info Library

## LaserWriter IINTX: RAM Allocation

This article last reviewed: 21 January 1991

TOPIC -----------------------------------------------------------

How much RAM is needed to get a second page buffer with legal-size paper on
LaserWriter IINTX?

DISCUSSION ------------------------------------------------------

Additional RAM does not provide space for a "second page buffer" in the
LaserWriter IINTX.  We found the following information on page 122 of the
"LaserWriter IINT/NTX Owner's Guide" (ROM revision 3.0 version):

Memory Upgrades

You can install up to 12MB of RAM in the LaserWriter IINTX.  You can also
add a font expansion card.  These memory upgrades are not possible on the
LaserWriter IINT.

RAM upgrades for the LaserWriter IINTX provide the following benefits:

• the ability to print very complex documents (graphics and CAD documents,
  for example) that might not print on printers with less memory

• faster performance on complex documents

• faster performance when using downloaded fonts

• faster performance when printing documents that have been scaled down
  from larger originals (organization charts, maps, flow charts, for
  example)

• The ability to increase the imageable area of a document (you can use
  more of a sheet of legal paper, for example)

Adding more RAM provides these benefits in three ways:

• More RAM allows more fonts to be downloaded (sent over the network) to
  the printer at any one time.  The printer is less likely to need to
  retrieve large font files over busy network cables, saving you time and
  improving the performance of the entire network.

- More RAM increases the space available for font caching.  Before the
  LaserWriter IINTX can print, it converts the PostScript outline fonts
  into bitmaps, which it stores (caches) in RAM.  When the demand for RAM
  exceeds the supply, the printer discards the less recently used bitmaps
  in favor of the newer ones.  When the discarded bitmaps are needed again,
  the printer must rebuild them.  With additional RAM, the printer will
  need to rebuild bitmaps less often.

- Finally, more RAM gives your printer more space to store the calculations
  it uses to compute large or complex page layouts.  This is why you can
  print more complex documents and use a larger imageable area when you
  install more RAM.

Copyright 1991 Apple Computer, Inc.


Keywords:  <None>

==================================================================

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number:  6655