Geomagic® Freeform® Specifications

Freeform & Freeform Plus 2013 - 32-bit Editions Minimum System Requirements
The 32-bit editions of the Freeform software are designed to run on the 32 bit Microsoft®
Windows® XP/Vista/7/8 professional editions. We do not recommend using the home editions of the operating systems.

Running the system requires the following:

At least 4GB of free hard disk space (1GB for application files and the rest for temporary and working files). Larger files may require more disk space to assure sufficient performance. 1280 x 960 or higher display resolution

Either:
- Phantom Desktop-e
- Phantom Desktop:

Phantom Communications Converter (sold separately), an IEEE-1394A compatible FireWire Card*
Onboard full EPP mode parallel port or an Axxon parallel adapter card
> or Phantom Omni: IEEE-1394A compatible FireWire Card*

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> Phantom Omni: IEEE-1394A compatible FireWire Card*

Additionally, your machine must meet the following requirements:
- Dual Xeon® Pentium® IV 2.4 GHz or better processor
- 2 GB RAM
- A Geomagic Sensable-compatible graphics card with drivers supporting OpenGL version 2.1 or later.
  *The Phantom Omni device is IEEE 1394A compliant. However, Geomagic is aware of customers that have experienced difficulties. See Important Notes below for more information.

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Additionally, your machine must meet the following requirements:
- (2) Intel Dual-Core Xeon (Woodcrest) 5150/ 2.66 GHz, 4MB L2, 1333 MHz FSB or better
- 4GB RAM (If you will be using Autosurfacer, 8GB RAM is required). Larger files may require more RAM to assure sufficient performance.
- A Geomagic Sensable-compatible graphics card with drivers supporting OpenGL version 2.1 or later.
  *The Phantom Omni device is IEEE 1394A compliant. However, Geomagic is aware of customers that have experienced difficulties. See Important Notes below for more information.
FreeForm Modeling and FreeForm Modeling Plus 2013 Qualified Configurations
Geomagic has tested and qualified the following specific configurations. Choosing one of these configurations will ensure the best possible experience when running the FreeForm system.

Important: Using the FreeForm system with one or more discrete components of a fully qualified configuration (graphics card, for example) as part of an a la carte configuration does not imply qualification of any kind, partial or otherwise.


Desktop Workstation

HP Z820, with Intel® Xeon® E5-2670 CPU (2.60 GHz, 20 MB cache, 8 cores)
Qualified for Windows7 64bit
48 GB RAM
A compatible graphics card
BIOS Version: J63 v01.14 or newer
Haptic Device Connectivity
PHANTOM Omni connected to onboard FireWire 1394A port
PHANTOM Desktop with Phantom Communication Converter(PCC)
PHANTOM Desktop requires an Axxon parallel adapter card
PHANTOM Desktop-e with supplied StarTech USB Ethernet adapter

HP Z420, with Intel® Xeon® E5-1650 CPU (3.2 GHz, 12 MB cache, 6 cores)
Qualified for Windows7 64bit
16 GB RAM
A compatible graphics card
Haptic Device Connectivity
PHANTOM Omni connected to onboard FireWire 1394A port
PHANTOM Desktop with Phantom Communication Converter(PCC)
PHANTOM Desktop requires an Axxon parallel adapter card
PHANTOM Desktop-e with supplied StarTech USB Ethernet adapters

Phantom Desktop with Phantom Communication Converter (PCC), available from Geomagic, requires HP optional FireWire 1394A card (NM981AV 1394-a)
Geomagic has qualified only the following laptops for use with Freeform. These laptops are suitable for demonstrations and working at home, for optimum performance we recommend using one of the qualified desktop workstations.

Laptops

HP Elite 8770w with Intel® Core™ i7-3820QM CPU (2.70 GHz, 8 MB L3 cache, 4 cores)
Qualified for Windows7 64bit
8 GB RAM
NVIDIA K5000M graphics card
17.3” FHD display (1920 x 1080)
NVIDIA graphics driver 297.03