PE Limited

Engineering & Geological Software Development

INFORMATION ON SUPPORTED OPERATING SYSTEMS AND HARDWARE REQUIREMENTS FOR IPM SUITES

CONTENTS

Question:

WHAT OPERATING SYSTEMS AND HARDWARE ARE IPM APPLICATIONS SUPPORTED ON?

Answer:

Below are the supported operating systems and minimum hardware specifications for the **IPM Suite** applications.

If a particular operating system is not supported, it does not necessarily mean that it does not work on that operating system. It may only be that testing has not been completed.

IPM SUITE (INCLUDING MOVE)

Platform Support and Hardware Requirements

IPM Version 14.0 is supported on the following 64-bit operating systems:-
- Windows 11
- Windows Server 2022
- Windows Server 2025

If you are using the **HARDLOCK** network licensing system to run **IPM** Version 14.0 you must be using **HARDLOCK** 14.0 or a later version.

All products are 64-bit only.

IPM Version 14.0 can run on Windows Server operating systems only when the server is using the Network License Manager (**HARDLOCK**) for licensing. A standalone bitlock cannot be used for server operating systems.

Python Scripting
In IPM 14 there are two mechanisms in place to introduce Python scripting, with slightly different support requirements.
1. The Python data object in Resolve (historical). The following environment must be installed (**as a minimum**) on the appropriate computers; Anaconda or Miniconda Python 3.11. The maximum version at the point of release is 3.13, although this may be extended as more versions become available.
2. IntegratedPython (new). This is supported on deployments of Python which implement a kernel for client communication. Anaconda, Miniconda, Miniforge, and CPython (Base implementation) are specifically tested. The Python versions are the same as for the Data Object.

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IPM Hardware Requirements

IPM Version 14.0- General

Processor	2.4 Ghz Quad Core i7 (or higher)
Total Physical Memory	4 GB (use 64-bit OS and **IPM** 64-bit for large models that require more than 4 GB)
Local Disks	10 GB full **IPM** suite
Monitor Resolution	SXGA (1280 x 1024)

If a standalone bitlock is to be used then one USB port is required for the bitlock.

IPM Version 14.0 – Additional MOVE requirements

Total Physical Memory	16 GB (or higher)
Graphics Card (GPU) Memory	4 GB (or higher) discrete GPU / graphics card Must support **OpenGL 2.1**, **Pixel Shader 2.0**
Monitor Resolution	FHD (1920 x 1080) Recommend dual 4K/QHD/UHD/FHD

MOVE Performance Notes:

- We would recommend **32-128 GB** of Total Physical Memory, and **8-32 GB** GPU Memory for models that utilise larger 2D seismic, 3D seismic cubes, DEMs, LiDAR data, or high-resolution image overlays.
- MOVE will work with an on-board integrated graphics (GPU), however this is not supported.
- The graphics card software driver should be fully up to date.
- Cloud instances (e.g. Microsoft Azure) should be configured to include a GPU provision for MOVE.

Example GPU hardware:

Ideal configuration:	
Workstation	NVIDIA RTX with 8-48 GB RAM e.g. RTX 6000, 5000, 4500, 4000, A6000, A5500, A5000, A4500, A4000
Notebook / laptop	NVIDIA RTX with 8-16 GB RAM e.g. RTX 5000, 4000, 3000, 2000, A5500, A4500, A3000, A2000, A1000
Adequate configuration:	
Workstation	NVIDIA RTX or Quadro with 4-8 GB RAM e.g. RTX T1000, Quadro P4000, P2200, P1000
Notebook / laptop	NVIDIA GeForce with 4-8 GB RAM e.g. GeForce RTX 40/30/20 Series, GeForce GTX Series

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HARDLOCK – NETWORK LICENCE MANAGER

HARDLOCK Version 14.0 (latest Version) is supported on the following 64-bit operating systems:-

- Windows 11
- Windows Server 2022
- Windows Server 2025

The **HARDLOCK** is only available as 32-bit software, although it is supported on the 64-bit operating systems as described above. The 32-bit version of the **HARDLOCK** is able to distribute licences to 32 and 64-bit versions of the client programs (i.e. **IPM/IFM/IVM/MOVE**) assuming such licences have been purchased.

Hardware Requirements

HARDLOCK Version 14.0

Processor	2.4 Ghz (4 logical cores)
Total Physical Memory	8 GB
Local Disks	120 GB
Monitor Resolution	SXGA (1280 x 1024)

A USB port is required for the **HARDLOCK** bitlock.

PURCHASING NEW OR ADDITIONAL LICENCES

Clients can purchase new licences or additional licences. Please contact edinburgh@petex.com for details.