

# GEO DICT Hardware Requirements

## Software

Operating Systems	<p><b>Microsoft® Windows® 10 Home / Pro (64 bit) for Current Business Branch.</b> Math2Market GmbH guarantees that the current GeoDict release is always compatible with the following operating systems:</p> <ul style="list-style-type: none"><li>- Window 10 Home / Pro (64 bit) for Current Branch for Business</li></ul> <p><b>Linux (64 bit) with glibc 2.12</b> The best performance is achieved by GeoDict's high-performance version for 64-bit Linux-parallel computers.</p>
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## Hardware

CPU	<table><tr><td><b>Required</b></td><td>: 64-bit Intel or AMD Single-core processor with SSE2 Instruction set</td></tr><tr><td><b>Recommended</b></td><td>: 64-bit Intel or AMD multi-core processor with SSE2 instruction set</td></tr></table> <p>The use on multi-core systems with a lot of main memory enables efficient modelling and simulation of extremely large and therefore relevant morphologies. Whether on single workstations with multi-core processors or over distributed computer systems with the Message Passing Interface (MPI), you benefit from GeoDict's scalability.</p>	<b>Required</b>	: 64-bit Intel or AMD Single-core processor with SSE2 Instruction set	<b>Recommended</b>	: 64-bit Intel or AMD multi-core processor with SSE2 instruction set
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Graphic Hardware	<table><tr><td><b>Required</b></td><td>: Intel Iris HD500 (Integrated Graphics Card on Intel i-Cores)</td></tr><tr><td><b>Recommended</b></td><td>: GeForce 1000 Series</td></tr></table> <p>GeoDict's graphical user interface (GUI) requires a graphics card and an operating system that supports OpenGL 2. To use the neural networks of <a href="#">FiberFind</a> you need a graphics card from NVIDIA® with Cuda® cores.</p>	<b>Required</b>	: Intel Iris HD500 (Integrated Graphics Card on Intel i-Cores)	<b>Recommended</b>	: GeForce 1000 Series
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RAM	<table><tr><td><b>Required</b></td><td>: 4GB</td></tr><tr><td><b>Recommended</b></td><td>: minum 16GB</td></tr></table> <p>The available RAM determines the size of the structures which can be edited with GeoDict. For more information we have compiled a <a href="#">Recommended Systems Table</a>.</p>	<b>Required</b>	: 4GB	<b>Recommended</b>	: minum 16GB
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Disk space	<table><tr><td><b>Required</b></td><td>: 1GB for the GeoDict installation</td></tr><tr><td><b>Recommended</b></td><td>: At least 1TB for the storage of simulation results</td></tr></table> <p>GeoDict itself requires about 1 GB of disk space. To be able to perform large experiments, such as filter life time experiments with <a href="#">FilterDict</a>, or to store many results from different experiments, GeoDict needs more memory to store the result files.</p>	<b>Required</b>	: 1GB for the GeoDict installation	<b>Recommended</b>	: At least 1TB for the storage of simulation results
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