

SYMETRI







ADDNODE GROUP

Workstation Recommendations

A guide to help you choose the hardware best suited for your needs



This guide has been designed to help you choose the right hardware for your business needs. It's based on the software you use, the activities you carry out and the types of models/workloads you work with. The recommended hardware has been categorised and ordered as below:

-  Admin = Lowest specification for everyday office applications and simple use. Integrated graphics only.
-  Entry = For everyday office applications, with entry level graphics and some additional software use.
-  Basic = For everyday office applications, with entry level graphics, and higher specification for increased use.
-  Standard = For most average design workloads and applications requiring mid-level graphics.
-  High = For use with graphics intensive applications, and a high user performance requirement.
-  Heavy = For users requiring cutting-edge, top-performing graphics and powerful processing. For a high intensity of work and high-end 3D rendering and virtual reality (VR) applications.

We recommend that you focus on your highest possible workload and base everything else on that. For instance if you work on both 100MB models and 500MB models, look at the hardware that is recommended for the higher workload. Or if you are a heavy Revit user, average AutoCAD user and average Office user, you will need a heavy specification system.

Start by looking at the software you use and/or your primary activities to determine the hardware best suited to your needs. If you are unsure about your project workloads or do not feel that these suggestions fit your specific requirements, please get in touch with us to discuss a bespoke configuration.

SOFTWARE







Software	Workload		
	Modest	Average	Demanding
 AutoCAD/LT	Entry	Entry	Standard
 Revit/LT	Standard	Standard	High
 Navisworks	Entry	Entry	Standard
 3ds Max	High	High	Heavy
 Inventor Pro	High	High	Heavy
 SketchUp	Entry	Entry	Standard
 Enscape	Standard	High	Heavy
 Adobe Creative Cloud	Entry	Standard	High
 Microsoft Office Suite	Admin	Admin	Basic
 BIM 360	Admin	Entry	Basic
 Autodesk Construction Cloud	Admin	Entry	Basic

PRIMARY ACTIVITIES

Activity	Workload
Office Worker*	Admin Basic
Draughting in AutoCAD	Entry
Working on <100MB Revit models	Entry
Draughting in AutoCAD on large 3D models	Standard
Working on 100MB - 500 MB Revit models	Standard
Working on 500 MB+ Revit models	High
Visualisation (virtual reality, rendering)	Heavy


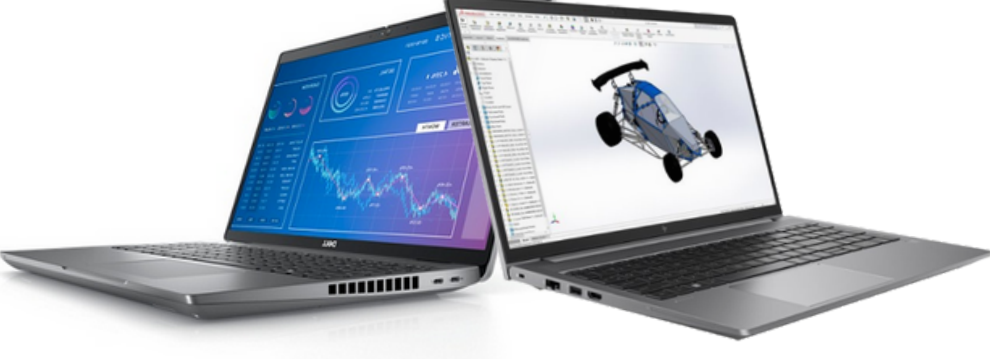



*Recommended machine will either be admin or basic depending on your workloads.

HARDWARE RECOMMENDATIONS- WORKSTATIONS

Workload	Recommendation
<p data-bbox="60 923 315 1019">Admin</p>	<p data-bbox="539 644 901 683"><u>Dell Optiplex / HP ProDesk</u></p>  <ul data-bbox="453 1176 856 1316" style="list-style-type: none"> • 3GHz+ 12th Gen 6 Core i5 Processor • 8GB RAM • Integrated Graphics • 512GB SSD Disk Space
<p data-bbox="71 1724 323 1797">Entry</p>	<p data-bbox="487 1428 968 1467"><u>Dell Precision 3460 / HP Z2 Mini G9</u></p>  <ul data-bbox="453 1959 884 2100" style="list-style-type: none"> • 3.5GHz+ 12th Gen 12 Core i7 Processor • 8GB RAM • NVIDIA T600 4GB • 512GB M.2 SSD Disk Space
<p data-bbox="71 2508 318 2581">Basic</p>	<p data-bbox="481 2212 968 2251"><u>Dell Precision 3660 / HP Z2 Mini G9</u></p>  <ul data-bbox="453 2744 884 2884" style="list-style-type: none"> • 3.6GHz+ 12th Gen 12 Core i7 Processor • 16GB RAM • NVIDIA T600 4GB • 512GB M.2 SSD Disk Space
<p data-bbox="71 3292 318 3365">Standard</p>	<p data-bbox="487 2996 968 3035"><u>Dell Precision 3660 / HP Z2 Mini G9</u></p>  <ul data-bbox="453 3528 884 3667" style="list-style-type: none"> • 3.6GHz+ 12th Gen 12 Core i7 Processor • 16GB RAM • NVIDIA T1000 4GB • 512GB M.2 SSD Disk Space
<p data-bbox="76 4076 318 4149">High</p>	<p data-bbox="515 3779 940 3819"><u>Dell Precision 3660 / HP Z2 G9</u></p>  <ul data-bbox="448 4312 879 4452" style="list-style-type: none"> • 3.7GHz+ 12th Gen 16 Core i9 Processor • 32GB RAM • NVIDIA RTX A4000 16GB • 1TB M.2 SSD Disk Space
<p data-bbox="71 4821 311 4894">Heavy</p>	<p data-bbox="520 4564 940 4603"><u>Dell Precision 7920 / HP Z6 G4</u></p>  <ul data-bbox="436 5068 868 5208" style="list-style-type: none"> • Dual 3.7GHz+ 16 Core Xeon Processors • 64GB RAM • NVIDIA RTX A5000 24GB • 1TB M.2 SSD

All systems above to run on Windows 10 Professional or Windows 11 Professional. If you require further information or would like to discuss a bespoke configuration, please get in touch with us via the details below.

HARDWARE RECOMMENDATIONS- LAPTOPS

Workload	Recommendation
Admin	<p><u>Dell Latitude 5520 / HP ProBook 450</u></p>  <ul style="list-style-type: none">• 3GHz+ i5 Processor• 8GB RAM• Integrated Graphics• 512GB SSD Disk Space
Entry	<p><u>Dell Precision 3571 / HP ZBook Power 15 G9</u></p>  <ul style="list-style-type: none">• 3.5GHz+ 12th Gen 14 Core i7 Processor• 8GB RAM• NVIDIA RTX T600 4GB• 512GB M.2 SSD Disk Space
Basic	<p><u>Dell Precision 3571 / HP ZBook Power 15 G9</u></p>  <ul style="list-style-type: none">• 3.6GHz+ 12th Gen 14 Core i7 Processor• 16GB RAM• NVIDIA RTX T600 4GB• 512GB M.2 SSD Disk Space
Standard	<p><u>Dell Precision 5570 / HP ZBook Fury 15 G8</u></p>  <ul style="list-style-type: none">• 3.6GHz+ i7 Processor• 16GB RAM• NVIDIA RTX A1000 / A2000 4GB• 512GB M.2 SSD Disk Space
High	<p><u>Dell Precision 7560 / HP ZBook Fury 15 G8</u></p>  <ul style="list-style-type: none">• 3.7GHz+ i9/Xeon Processor• 32GB RAM• NVIDIA RTX A5000 16GB• 1TB M.2 SSD Disk Space
Heavy	<p>Please refer back to the hardware recommendations for workstations to support heavy workloads or get in touch with us to discuss a bespoke configuration.</p>

All systems above to run on Windows 10 Professional or Windows 11 Professional. If you require further information or would like to discuss a bespoke configuration, please get in touch with us via the details below.