

Component	Requirements																						
<b>Development Environment</b>	<p><b>Operating System</b></p> <table border="1"> <thead> <tr> <th style="text-align: center;">Machine Edition Product<sup>a</sup></th> <th style="text-align: center;">Windows 7<sup>b</sup></th> <th style="text-align: center;">Windows 8 and 8.1<sup>c</sup></th> </tr> </thead> <tbody> <tr> <td>Logic Developer - PLC View<sup>d</sup></td> <td></td> <td></td> </tr> <tr> <td>Logic Developer - PC<sup>d</sup></td> <td></td> <td></td> </tr> </tbody> </table> <p><b>Notes</b></p> <ol style="list-style-type: none"> <li>Windows regional settings must be set to English.</li> <li>32-bit or 64-bit variations of the following: Windows 7 Ultimate, Windows 7 Enterprise, or Windows 7 Professional. <b>Important:</b> For cautions and limitations when using Machine Edition on Windows 7, select Machine Edition in the Product field above, and click the Release Notes tab.</li> <li>32-bit or 64-bit variations of the following: Windows 8 Professional, Windows 8 Enterprise, Windows 8.1 Professional, Windows 8.1 Enterprise <b>Important:</b> Windows 8 and Windows 8.1 does not support View Runtime or Control runtime</li> <li>View and Logic Developer PC are not supported when running without elevated access. When using View or Logic Developer PC targets you can lower your User Account Control settings and/or set up Proficy Machine Edition to always "Run As Administrator".</li> </ol> <p><b>Processor speed and memory</b></p> <ul style="list-style-type: none"> <li>Minimum (for small to medium-sized projects): <ul style="list-style-type: none"> <li>Intel Core i5 with 4 GB RAM</li> <li>AMD FX or Phenom II X6 with 4 GB RAM</li> </ul> </li> <li>Strongly recommended for large projects, especially to see multi-threading performance gains <ul style="list-style-type: none"> <li>Intel quad-core Core i7 with 8 GB RAM and 64-bit Windows 7</li> <li>AMD higher FX or Phenom II X6 models with 8 GB RAM and 64-bit Windows 7</li> </ul> </li> </ul> <p><b>Extra requirements when executing multiple instances of Machine Edition</b></p> <p>Operating system</p> <table border="1"> <tbody> <tr> <td>Minimum requirement for very large projects and strongly recommended for any project</td> <td> <ul style="list-style-type: none"> <li>64-bit Windows 7 Ultimate</li> <li>64-bit Windows 7 Enterprise</li> <li>64-bit Windows 7 Professional</li> </ul> </td> </tr> <tr> <td>Possible for small or average-sized projects, but not recommended</td> <td>32-bit variations of Windows 7 Ultimate, Enterprise, or Professional</td> </tr> </tbody> </table> <p>Average-sized projects</p> <ul style="list-style-type: none"> <li>Each instance uses approximately 500 MB of memory.</li> </ul> <p>Very large projects</p> <ul style="list-style-type: none"> <li>8 GB of RAM</li> <li>Limit the number of instances to 2 or 3</li> </ul> <p><b>Other requirements</b></p> <ul style="list-style-type: none"> <li>Internet Explorer Version: 8.0 or newer with current updates. <b>Note:</b> Install Internet Explorer before installing Machine Edition.</li> <li>TCP/IP Network protocol-based computer (if you use an Ethernet connection).</li> <li>.NET Framework 4.5 Full. If the Microsoft .NET Framework is not yet installed, it is automatically included during the installation of Machine Edition and may require a reboot to complete the installation.</li> <li>2 GB of hard disk space. Additional space is required for your projects and temporary files.</li> </ul> <p>The Development Environment is supported on VMware Player or VMware Workstation with the following VMware requirements:</p> <table border="1"> <thead> <tr> <th></th> <th style="text-align: center;">VMware Player</th> <th style="text-align: center;">VMware Workstation</th> </tr> </thead> <tbody> <tr> <td>Minimum requirement</td> <td style="text-align: center;">2.0 or greater</td> <td style="text-align: center;">6.0 or greater</td> </tr> <tr> <td>For multiple processor cores<sup>1</sup> (required to leverage multi-threading performance gains)</td> <td style="text-align: center;">4.0 or greater</td> <td style="text-align: center;">8.0 or greater</td> </tr> </tbody> </table> <p><b>Notes</b></p> <ol style="list-style-type: none"> <li>After powering down the guest operating system (O/S) of a VMware virtual machine, configure the number of cores to use for that virtual machine: match or come as close as possible to the number of cores in your computer's processor. You cannot configure the number of cores for a virtual machine if its guest O/S is running or paused.</li> <li>The APM Motion Programmer does not function if Proficy Machine Edition is executed from within VMware.</li> </ol>	Machine Edition Product <sup>a</sup>	Windows 7 <sup>b</sup>	Windows 8 and 8.1 <sup>c</sup>	Logic Developer - PLC View <sup>d</sup>			Logic Developer - PC <sup>d</sup>			Minimum requirement for very large projects and strongly recommended for any project	<ul style="list-style-type: none"> <li>64-bit Windows 7 Ultimate</li> <li>64-bit Windows 7 Enterprise</li> <li>64-bit Windows 7 Professional</li> </ul>	Possible for small or average-sized projects, but not recommended	32-bit variations of Windows 7 Ultimate, Enterprise, or Professional		VMware Player	VMware Workstation	Minimum requirement	2.0 or greater	6.0 or greater	For multiple processor cores <sup>1</sup> (required to leverage multi-threading performance gains)	4.0 or greater	8.0 or greater
	Machine Edition Product <sup>a</sup>	Windows 7 <sup>b</sup>	Windows 8 and 8.1 <sup>c</sup>																				
Logic Developer - PLC View <sup>d</sup>																							
Logic Developer - PC <sup>d</sup>																							
Minimum requirement for very large projects and strongly recommended for any project	<ul style="list-style-type: none"> <li>64-bit Windows 7 Ultimate</li> <li>64-bit Windows 7 Enterprise</li> <li>64-bit Windows 7 Professional</li> </ul>																						
Possible for small or average-sized projects, but not recommended	32-bit variations of Windows 7 Ultimate, Enterprise, or Professional																						
	VMware Player	VMware Workstation																					
Minimum requirement	2.0 or greater	6.0 or greater																					
For multiple processor cores <sup>1</sup> (required to leverage multi-threading performance gains)	4.0 or greater	8.0 or greater																					
<b>Windows PC Runtime</b>	<ul style="list-style-type: none"> <li>When you install only View Runtime or Control Runtime from the DVD, the Runtime executables are automatically updated</li> </ul>																						

from the development computer when the project is downloaded.

- o Windows 7 Ultimate, Windows 7 Enterprise, or Windows 7 Professional

**Notes**

- The above versions of Windows 7 are supported in both 32-bit and 64-bit.
- Windows regional settings must be set to English.

**Important:** Windows 8 and 8.1 does not support View Runtime or Control Runtime

- › 233 MHz Pentium-based workstation (1.6 GHz recommended)
- › 200 MB free hard disk space
- › 128 MB RAM (1 GB recommended)

The following table describes the minimum requirements needed for the range of variables defined in your projects.

Requirements	Variables		
	< 500	500 - 10000	> 10000
CPU	233 MHz	1 GHz	2 GHz
Disk Space	200 MB	200 MB	200 MB
RAM	128 MB	512 MB	1 GB

---

**QuickPanel+ Runtime**    ) For Logic and HMI components: QuickPanel+

**QuickPanel**                ) For HMI and Logic components: QuickPanel Control

**View/Control Runtime**    ) For HMI only: QuickPanel View

---

