

Component	Requirements																						
Development Environment	<p>Operating System</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Machine Edition Product</th> <th style="text-align: center;">Windows 7^a</th> <th style="text-align: center;">Windows 8 and 8.1^c</th> </tr> </thead> <tbody> <tr> <td>Logic Developer - PLC View</td> <td></td> <td></td> </tr> <tr> <td>Logic Developer - PC</td> <td></td> <td></td> </tr> </tbody> </table> <p>Notes</p> <ol style="list-style-type: none"> 32-bit or 64-bit variations of the following: Windows 7 Ultimate, Windows 7 Enterprise, or Windows 7 Professional. Important: The 64-bit variations of Windows 7 do not support the property column display in the Variables tab of the Navigator. To use Machine Edition on Windows 7, you must be part of the Administrators group. For more cautions and limitations when using Machine Edition on Windows 7, select Machine Edition in the Product field above, and click the Release Notes tab. Windows regional settings must be set to English. 32-bit or 64-bit variations of the following: Windows 8 Professional, Windows 8 Enterprise, Windows 8.1 Professional, Windows 8.1 Enterprise Important: Windows 8 and Windows 8.1 does not support View Runtime or Control runtime <p>Processor speed and memory</p> <ul style="list-style-type: none"> Minimum (for small to medium-sized projects): <ul style="list-style-type: none"> Intel Core i5 with 4 GB RAM AMD FX or Phenom II X6 with 4 GB RAM Strongly recommended for large projects, especially to see multi-threading performance gains <ul style="list-style-type: none"> Intel quad-core Core i7 with 8 GB RAM and 64-bit Windows 7 AMD higher FX or Phenom II X6 models with 8 GB RAM and 64-bit Windows 7 <p>Extra requirements when executing multiple instances of Machine Edition</p> <p>Operating system</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;">Minimum requirement for very large projects and strongly recommended for any project</td> <td> <ul style="list-style-type: none"> 64-bit Windows 7 Ultimate 64-bit Windows 7 Enterprise 64-bit Windows 7 Professional </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"> Each instance uses approximately 500 MB of memory. <p>Very large projects</p> <ul style="list-style-type: none"> 8 GB of RAM Limit the number of instances to 2 or 3 <p>Other requirements</p> <ul style="list-style-type: none"> Internet Explorer Version: 8.0 or newer with current updates. Note: Install Internet Explorer before installing Machine Edition. TCP/IP Network protocol-based computer (if you use an Ethernet connection). .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. 2 GB of hard disk space. Additional space is required for your projects and temporary files. <p>The Development Environment is supported on VMware Player or VMware Workstation with the following VMware requirements:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>VMware Player</th> <th>VMware Workstation</th> </tr> </thead> <tbody> <tr> <td>Minimum requirement</td> <td>2.0 or greater</td> <td>6.0 or greater</td> </tr> <tr> <td>For multiple processor cores¹ (required to leverage multi-threading performance gains)</td> <td>4.0 or greater</td> <td>8.0 or greater</td> </tr> </tbody> </table> <p>Notes</p> <ol style="list-style-type: none"> 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. The APM Motion Programmer does not function if Proficiency Machine Edition is executed from within VMware. 	Machine Edition Product	Windows 7 ^a	Windows 8 and 8.1 ^c	Logic Developer - PLC View			Logic Developer - PC			Minimum requirement for very large projects and strongly recommended for any project	<ul style="list-style-type: none"> 64-bit Windows 7 Ultimate 64-bit Windows 7 Enterprise 64-bit Windows 7 Professional 	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 ¹ (required to leverage multi-threading performance gains)	4.0 or greater	8.0 or greater
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Windows PC Runtime	<ul style="list-style-type: none"> When you install only View Runtime or Control Runtime from the DVD, the Runtime executables are automatically updated from the development computer when the project is downloaded. 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

