



Proficiency* System Requirements

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Proficy* Machine Edition 9.50

Operating System

Machine Edition Product	Windows 7 ^{SP1}	Windows 8 and 8.1	Windows 10
Logic Developer – PLC	√	√	√
QP+ View Developer	√		√
QP+ Logic Developer – PC	√		√

Notes

- Windows regional settings must be set to English
- 32-bit & 64-bit variations of Windows are supported (64-Bit recommended)
- It is a good security practice to always run software that has had security patches and other operating system support fixes provided by Microsoft and applied by the owner/operator as part of a cyber maintenance program.
- It is recommended to apply security patches and other operating system support fixes before installing

Windows Administrator Settings

Some features of Proficy* Machine Edition are not supported when running without elevated access.

When using the following features, you can lower your User Account Control settings and/or set up Proficy* Machine Edition Engineering to always "Run As Administrator":

- View and Logic Developer PC
- View and Logic Runtimes
- EGD Management Tool
- PAC Systems Analyzer Tool
- Profinet DCP Tool
- PAC8000 I/O Configuration Tool
- Serial PLC Communications
- Creating Custom Project Templates
- IEC 61850 Configurator
- Toolbox ST Trender

Processor Speed and Memory

- Minimum (for small to medium-sized projects):
 - Intel Core i5 with 4 GB RAM
 - AMD FX or Phenom II X6 with 4 GB RAM
- Strongly recommended for large projects or when using multi-instance
 - Intel quad-core Core i7 with 8 GB RAM and 64-bit Windows
 - AMD higher FX or Phenom II X6 models with 8 GB RAM and 64-bit Windows



Miscellaneous Requirements

- Internet Explorer Version: 11.0 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 4.6 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. This installation requires a minimum of Windows 7 SP1.
- 2 GB of hard disk space. Additional space is required for your projects and temporary files.
- The Development Environment is supported on VMware Player or VMware Workstation



Proficy* View & Control Runtime (Windows PC) 9.50

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.

Operating System

Machine Edition Product	Windows 7 ^{SP1}	Windows 8 and 8.1	Windows 10
QP+ View Developer	√	-	√
QP+ Logic Developer – PC	√	-	√

- Windows 7 Ultimate, Windows 7 Enterprise, Windows 7 Professional and Windows 10.

Notes

- The above versions of Windows 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



Proficy* Process Systems 3.50

Some components of the Proficy* Process Systems products may (or may not) be supported on alternate operating systems. For detailed information, refer to the product's installation guide for more information.

System Components

Proficy* Process Systems is made up of several products, more details are available within the documentation of those products.

Product	Version	Engineering Workstation	Operator Console	Application Server	System Server
PME (LD PLC)	9.50	√			
HMI (CIMPPLICITY)	9.50	√	√	√	
HMI (iFix)	5.8	√	√	√	
EGD Driver	7.40k	√	√	√	√
EGD Tools	6.01	√	√	√	√

System Level Operating System

PPS Product	Windows 7	Server 2012
Engineering Workstation	√	
Operator Console	√	√
Application Server	√	√
System Server	√	√

Regional Settings

PPS Product	Regional Setting	English OS	German/French OS (Single-Byte)	Simplified Chinese OS (Double-Byte)	Russian OS (Cyrillic)
Engineering Workstation	U.S.	√	√	√	√
	LOCAL				
Operator Console	U.S.	√	√	√	√
	LOCAL		√	√	√
Application Server	U.S.	√	√	√	√
	LOCAL		√	√	√
System Server	U.S.	√	√	√	√
	LOCAL				



Proficy* Change Management 9.50

Operating System

Change Management Component	Windows 7	Windows Server 2008 SP2	Windows Server 2008 R2
Server	√	√	√
Thick Client	√	√	√
Scheduler Engine	√	√	√
Thin Client	√	√	√

Notes

- Windows regional settings must be set to English.
- For the above Windows, you must be an Administrator.
- The above Windows are supported in both 32-bit and 64-bit.
- The PCM Server and Thick Client are not supported in environments that use Microsoft Terminal Services or Microsoft Cluster Server. The PCM Thin Client is supported in environments that use Microsoft Terminal Services.
- To connect to the PCM server in a 64-bit environment, you will need to enter the PCM server IP address and name in the hosts file.

Processor Speed and Memory

For the PCM Server, Thick Client, and Scheduler Engine:

- Minimum (for small to medium-sized projects):
 - Intel Core i5 with 4 GB RAM
 - AMD FX or Phenom II X6 with 4 GB RAM
- Strongly recommended for large projects:
 - Intel quad-core Core i7 with 8 GB RAM and 64-bit Windows
 - AMD higher FX or Phenom II X6 models with 8 GB RAM and 64-bit Windows

Note: See your sales representative for server system recommendations based on your projected number of PCM Clients and the projected size of your project database.

For the PCM Thin Client, including the Scheduler and Scheduler Editor used with the Thin Client:

- 1.5 GHz Pentium-based computer recommended.
- 512 MB RAM (1 GB recommended).

Miscellaneous Requirements

- Internet Explorer Version: 9.0, 8.0, or 7.0, with current updates.

Note: Install Internet Explorer before installing Change Management.



- Ethernet Network Adapter and the TCP/IP Network Protocol (100 Mbit).
- .NET Framework 4.6 Full for the PCM Server, Thick Client, and Scheduler Engine. If the Microsoft .NET Framework is not yet installed, it is automatically included during the installation of Change Management and may require a reboot to complete the installation.
- .NET Framework 2.0 for the PCM Thin Client.
- PCM Thick Client for the PCM Scheduler Engine.
- Free hard disk space:
 - 20 GB, plus storage space for project files, for the PCM Server.
 - 50 MB, plus storage space for project files, for the PCM Thick or Thin Client (500 MB recommended to start with).
 - 50 MB (in addition to hard disk space required for the PCM Thick Client) for the PCM Scheduler Engine.
- One of the following version control systems (VCS) for the PCM Server:
 - Apache Subversion version 1.8.3 (or greater). For more details, visit Apache's web site at <http://subversion.apache.org/packages.html> and download any binary installer package for Windows 32-bit that is based on version 1.8.3 (or greater).

Notes

- You can choose to download and compile the source files rather than downloading the binary installer files. For more details, visit Apache's web site at <http://subversion.apache.org/download/>.
- Subversion with Proficy Change Management is supported only on Windows operating systems.
- Only 32-bit Subversion is supported or compatible in Proficy Change Management.
- Microsoft Visual SourceSafe 6.0d Build 31222 or later (Server installation), or Visual SourceSafe 2005.

Notes

- The 6.0d version can be acquired by installing the Microsoft Visual Studio 6 SP6 update. For more details, visit Microsoft's web site at www.microsoft.com.
- If Visual SourceSafe 6.0 is installed and you want to upgrade to Visual SourceSafe 2005, you must first uninstall Proficy Machine Edition, **restart your computer to avoid potential operating system corruption**, and then uninstall Visual SourceSafe 6.0. You can then install Visual SourceSafe 2005, and then reinstall Machine Edition. Uninstalling only Visual SourceSafe 6.0 does not remove it from the computer because Machine Edition retains a copy.

Supported Product Modules

Below is a list of custom project support modules included on the Change Management installation DVD. A custom project module is a group of configuration files and scripts that let you manage projects of that project type on a Change Management system.

You must select the desired modules when you install the Change Management Server/Client system. You may also have to update certain files based on the configuration of your system and network.



Project Type Modules

- **CIMPLICITY:** Version 7.0 or higher.
- **Engineering Workstation:** Version 6.0 or greater.
- **Proficy iFIX:** iFIX 5.1, 5.5, or 5.8.
- **LM9030:** LogicMaster 90-30 projects, version 9.05.
- **LM9070:** LogicMaster 90-70 projects, version 7.05.
- **Machine Edition:** Version 5.9 or greater.
- **Microsoft Excel:** Microsoft Excel™ *.XLS documents.
- **Microsoft Word:** Microsoft Word™ *.DOC documents.
- **RSLogix 5, 500, and 5000:** RSLogix 5 *.RSP files, RSLogix 500 *.RSS files (versions 7.10.00, 7.20.00, 7.30.00, and 8.10.00), or RSLogix 5000 *.ACD files (version 15.01.00, 16.00.00, 18.00.00, 19.00.00, 21.00.00, 23.00.00, 24.00.00, 26.00.00, and 27.00.00). Change Management supports both the standard and professional versions of RSLogix software.
- **Siemens S7:** Versions 5.3x and 5.4 SP1 and 5.4 SP4.

Thin Client Modules

- **RSLogix 5, 500, and 5000:** RSLogix 5 *.RSP files, RSLogix 500 *.RSS files (versions 7.10.00, 7.20.00, 7.30.00, and 8.10.00), or RSLogix 5000 *.ACD files (version 15.01.00, 16.00.00, and 18.00.00). Change Management supports both the standard and Professional versions of RSLogix software.
- **Siemens S7:** Versions 5.3x and 5.4 SP1 and 5.4 SP4.
- **Modicon ProWORX32:** Version 2.0.

As-is Project Type Modules

The following project types have not been validated for Proficy Change Management 5.90, 6.50, 7.00, 7.50, 8.00, 8.50, 8.60, 9.00, and 9.50. They are available as is:

- **ABB Robots:** ABB Robot device programs and configuration data files, S4C plus robot controllers with Robotware 4.0 Rev 70.
Note: While only models listed above are fully tested and supported, this module should work with most ABB Robot hardware.
- **AutoCAD:** AutoCAD™ *.DWG files.
- **Fanuc CNC:** Fanuc CNC device programs and data files, PowerMate and CNC 16iM models only.
Notes
 - CNC 16iM models require CNC Executive version B0F2/23 and FWLib version 1.13.0.1.
 - While only models listed above are fully tested and supported, this module should work with most Fanuc CNC hardware.
- **Modicon Concept:** Version 2.6
- **Modicon ProWORX:** Modicon ProWORXPLUS and Modicon ProWORX NxT projects, version 2.20 SP6.



- **Process Windows:** Version 2.x.
- **Siemens 840D CNC:** Siemens 840D CNC ARC files from the archiving system in the CNC PCU (PC Unit).
- **Siemens S5:** Version 7.2.
- **Wonderware:** Version 9.0.