Computer Specifications

Guidance for iC Software

This document is intended to help users select an appropriate computer to run iC Software.

Please take the time to read through this brief guidance document. For questions please contact iC software support at iC@mt.com or your local account manager.

1   Minimum Requirements

Below are the minimum computer requirements to run iC software. Each version is tested on a machine meeting these specifications to ensure the software will install and run correctly, but this does not guarantee reasonable performance, particularly when running longer experiments that collect more data. Higher performance processors are recommended to provide the best user experience (see Section 2).

Characteristics	One iC/iControl Application	Multiple iC/iControl Applications
CPU	Intel Core 2 Duo 2.2GHz or better	Intel Core 2 Duo 2.8GHz or better
Memory	2GB	3GB
Hard Drive	SATA 5400rpm	SATA 7200rpm
Graphics	SXGA 1280x1024 with 3D hardware acceleration	SXGA 1280x1024 with 3D hardware acceleration

NOTE: ParticleTrack™ G600, C35 and E25 systems also require a USB 2.0 port on the control computer

2   Recommendations for Peak Performance

The specifications for laptop computers that we currently ship with new instruments are included below. The 'Standard' computers are shipped for single instrument; single probe situations whereas the 'High End' level laptops are shipped with systems with multiple probes or that will host more than one iC software product. We also ship the 'High End' computers with the latest FBRM® G series systems.

Characteristics	Standard (Dell E5520)	High End (Dell 6520)
CPU	Intel Core i5-2410M, 2.30GHz, 3MB Cache	Intel Core i7-2720QM, 2.20GHz, 6MB Cache
Memory	4.0GB, DDR3 SDRAM at 1333MHz	4.0GB DDR3 SDRAM at 1333MHz
Hard Drive	250GB, 7200rpm	128GB Solid State
Graphics	15.6 in HD (1366x768) Anti-Glare, 8x DVD+/-RW	15.6 inch wide screen XGA display, 8x DVD+/-RW

NOTE: ParticleTrack G600, C35 and E25 systems also require a USB 2.0 port on the control computer

It is important to note that the processor type is often more important than the CPU speed when considering performance. For example, the i7 2.2 GHz processor on the 'High End' laptop above performs considerably better than the 2.3 GHz i5 processor in the 'Standard' computer.

3   Operating System Support

The operating systems supported depend on the exact software product version and the instrument model being controlled. The two most recent versions are included below and a full list of all versions and instruments can be found at https://community.autochem.mt.com/index.php?q=ic-comp-tables.

Product/Version	Windows® XP	Windows® Vista, 32-bit	Windows® 7, 32-bit	Windows® 7, 64-bit
iC IR 4.2	✓	✓	✓ (except for ReactIR 4000)	✓ (Office Version Only)
iC IR 4.3	✓	✓	✓	✓
iC FBRM 4.2	✓	✓	✓ (except for FBRM G600 and C35)	✓ (Office Version Only)
iC FBRM 4.3	✓	✓	✓	✓ (except for FBRM D600/S400)
iC Raman 4.1	✓	✓	✗	✗
iC Raman 4.1 SP2	✓	✓	✓	✓ (Office Version Only)
iControl 5.1 / 5.2 (for EasyMax/OptiMax)	✓	✓	✓	✓
iControl RC1e 4.0	✓	✓	✗	✗
iControl RC1e 5.0	✓	✓	✓	✓ (Office Version Only)
iControl LabMax 4.0	✓	✓	✗	✗
iControl LabMax 5.0	✓	✓	✓	✓ (Office Version Only)
PVM 8.3 (for V819)	✓	Not tested	✗	✗
PVM 8.4 (for V825)	✓	Not tested	✓	✗

NOTE: All new iC software versions coming in 2014 and later will NOT support Microsoft® Windows® XP or Vista - only Microsoft® Windows® 7 and Windows® 8 will be supported.

4   Other Required/Recommended Software

Adobe Reader: In order to easily read the documentation portfolios and PDF files that are delivered with iC Software, it is recommended that the latest version of Adobe Acrobat reader is installed (go to http://get.adobe.com/reader/ to get the installer).

Microsoft® Office: iC software allows users to generate reports using Microsoft® Word® and import and export data from Microsoft® Excel®. To use these functions, Microsoft® Office 2003 or later must be available on the iC PC. Note that if you intend to use the iC Data Share Excel Add-in, then you need Office 2007 or 2010.

Microsoft® Windows® Media Player: For iControl software, the computer should have the latest Windows® Media Player installer in order to view the Mixing Guidelines or Tutorial Videos (go to http://windows.microsoft.com/en-US/windows/downloads/windows-media-player to get the installer).