

## Gaussian 16 Available Binary Versions for Rev. C.01

### Important Notes for All Gaussian Versions (Binary and Source):

- Systems in shaded color are considered supercomputers by Gaussian, Inc, and accordingly are subject to commercial pricing (i.e. academic/US government discounts do not apply). See [price lists](#) for pricing.
- *Linda 9.2* is required for network parallel use of *Gaussian 16*. Earlier versions of *Linda* are incompatible.
- Upgrading from *Gaussian 16 Rev. A.03 w/Linda* or *Gaussian 16 Rev. B.01 w/Linda* to *Gaussian 16 Rev. C.01 w/Linda* requires an update to *Linda 9.2*.
- The Linux RedHat and SuSE versions specified for x86\_64, IA32, and IBM Power systems refer only to the *unmodified, unpatched* original media/ISO image distributions as released by the vendor.
- Platforms marked with † include GPU support for NVIDIA K40, K80, P100, and V100 boards with 12 GB of memory or higher. A version of NVIDIA drivers compatible with CUDA 8.0 or higher may be required to run on GPUs (NVIDIA drivers can be found at [www.nvidia.com/download/index.aspx](http://www.nvidia.com/download/index.aspx)).

Vendor	CPU	Shared Memory Parallel	Linda Parallel	OS Version(s)	Required Libraries
AMD/Intel	X86_64 ("Legacy" – pre-SSE4.2)	Y	Y	openSUSE Linux 10.3, 11.4, 12.3, 13.2, Leap 42.3, 15.0; SUSE Linux Enterprise Server 11 SP4, 12 SP4, 15; Red Hat Enterprise Linux 5.11, 6.10, 7.6	
AMD/Intel	X86_64 (SSE4.2-enabled)	Y	Y	openSUSE Linux 11.4, 12.3, 13.2, Leap 42.3, 15.0; SUSE Linux Enterprise Server 11 SP4, 12 SP4, 15; Red Hat Enterprise Linux 5.11, 6.10, 7.6	
AMD/Intel	X86_64 (AVX-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.3, 15.0; SUSE Linux Enterprise Server 11 SP4, 12 SP4, 15; Red Hat Enterprise Linux 5.11, 6.10, 7.6	
AMD/Intel	X86_64 (AVX2-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.3, 15.0; SUSE Linux Enterprise Server 11 SP4, 12 SP4, 15; Red Hat Enterprise Linux 5.11, 6.10, 7.6	
AMD Athlon and Intel IA32-based systems	IA32 (Pentium IV and higher); AMD Athlon	Y	Y	SuSE Linux 10.3, 11.4; Red Hat Enterprise Linux 5.6, 6.1	
Apple	EM64T (64-bit Intel Mac)	Y	Y	OS X 10.6.8, 10.7.5, 10.8.5, 10.9.5, 10.10.5, 10.11.6, 10.12.6, 10.13.6, 10.14.5	
Fujitsu	SPARC64 IXfx	Y	N	Linux Expand OS XTC OS 1	Fujitsu Technical Computing Suite V1.0
Fujitsu	SPARC64 XIfx	Y	N	Linux Expand OS XTC OS 1	Fujitsu Technical Computing Suite V2.0
IBM	Power 5 (64-bit)	Y	Y	AIX 5.3	
IBM	Power 7 (64-bit)	Y	Y	AIX 6.1, 7.1	xlsmp.rte 3.1.0.3
IBM	Power 7 (64-bit)	Y	Y	SuSE Enterprise Linux 11 SP2; Red Hat Enterprise Linux 6.3 (big endian)	xlsmp.rte 4.1.0.2
IBM	Power 8 (64-bit)	Y	Y	AIX 7.2	xlsmp 4.1.3.0
IBM	Power 8 (64-bit)	Y	Y	RedHat Enterprise Linux 7.3 (big endian)	xlsmp 4.1.0.2
IBM	Power 8 (64-bit)	Y	Y	RedHat Enterprise Linux 7.3 (little endian)	xlsmp 4.1.3.0
IBM	Power 9 (64-bit)	Y	Y	RedHat Enterprise Linux 7.6 (little endian)	xlsmp 5.1.1.0
NEC	SX-ACE	Y	N	Contact <a href="mailto:help@gaussian.com">help@gaussian.com</a> for details	

## Gaussian 16 Available Source Code Versions for Rev. C.01

*Additional Notes for Source Code Version (see also notes above):*

- In order to build on Intel-based Macintosh computers, the source code and tools must be installed on an HFS+ *case-sensitive* file system (or a UFS file system for systems where that is supported).
- Binaries for platforms marked with † can be built with GPU support for NVIDIA K40, K80, P100, and V100 boards with 12 GB of memory or higher. See Release Notes for build details. A version of NVIDIA drivers compatible with CUDA 8.0 or higher may be required to run on GPUs (NVIDIA drivers can be found at [www.nvidia.com/download/index.aspx](http://www.nvidia.com/download/index.aspx)).

Vendor	CPU	Shared Memory Parallel	Linda Parallel	OS Version(s)	Fortran	C	Libraries
AMD/Intel	X86_64 ("Legacy" – pre-SSE4.2)	Y	Y	openSUSE Linux 10.3, 11.4, 12.3, 13.2, Leap 42.3; SUSE Linux Enterprise Server 11 SP4, 12 SP4; Red Hat Enterprise Linux 5.11, 6.10, 7.6	Portland Group F77 17.7 <a href="http://www.pgroup.com">www.pgroup.com</a>	gcc included with Linux	Atlas (included on G16 CD)
AMD/Intel	X86_64 (SSE4.2-enabled)	Y	Y	openSUSE Linux 11.4, 12.3, 13.2, Leap 42.3; SuSE Linux Enterprise Server 11 SP4, 12 SP4; Red Hat Enterprise Linux 5.11, 6.10, 7.6	Portland Group F77 17.7 <a href="http://www.pgroup.com">www.pgroup.com</a>	gcc included with Linux	Atlas (included on G16 CD)
AMD/Intel	X86_64 (AVX-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.3; SuSE Linux Enterprise Server 11 SP4, 12 SP4; Red Hat Enterprise Linux 6.10, 7.6	Portland Group F77 18.10 <a href="http://www.pgroup.com">www.pgroup.com</a>	gcc included with Linux	Atlas (included on G16 CD)
AMD/Intel	X86_64 (AVX2-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.3; SuSE Linux Enterprise Server 11 SP4, 12 SP4; Red Hat Enterprise Linux 6.10, 7.6	Portland Group F77 18.10 <a href="http://www.pgroup.com">www.pgroup.com</a>	gcc included with Linux	Atlas (included on G16 CD)
AMD Athlon & Intel IA32-based systems	IA32 (Pentium IV and higher); AMD Athlon	Y	Y	SuSE Linux 10.3, 11.4; Red Hat Enterprise Linux 5.6, 6.1	Portland Group F77 16.5 <a href="http://www.pgroup.com">www.pgroup.com</a>	gcc included with Linux	Atlas (included on G16 CD)
Apple	EM64T (64-bit Intel Mac)	Y	Y	OS X 10.9.5, 10.10.5, 10.11.6, 10.12.6, 10.13.6	Portland Group F77 18.10 <a href="http://www.pgroup.com">www.pgroup.com</a>	XCode corresponding to OS X version	Atlas (included on G16 CD)
Fujitsu	SPARC64 IXfx	Y	N	Linux Expand OS XTC OS 1	Fujitsu Technical Computing Suite V1.0		
Fujitsu	SPARC64 XIfx	Y	N	Linux Expand OS XTC OS 1	Fujitsu Technical Computing Suite V2.0		
IBM	Power 5 (64-bit)	Y	Y	AIX 5.3			
IBM	Power 7 (64-bit)	Y	Y	AIX 6.1, 7.1	XLF 13.1.0.12	XLC 11.1.0.12	xlsmplib 3.1.0.3; Atlas (included on G16 CD)
IBM	Power 7 (64-bit)	Y	Y	SuSE Enterprise Linux 11 SP2; Red Hat Enterprise Linux 6.3	XLF 13.1.0.7	XLC 11.1.0.7	xlsmplib 2.1.0.7; Atlas (included on G16 CD)
IBM	Power 8 (64-bit)	Y	Y	AIX 7.2	XLF 15.1.3.4	XLC 13.1.3.4	xlsmplib 4.1.3.0; Atlas (included on G16 CD)
IBM	Power 8 (64-bit)	Y	Y	RedHat Enterprise Linux 7.3 (big endian)	XLF 15.1.0.2	XLC 13.1.0.2	xlsmplib 4.1.0.2; Atlas (included on G16 CD)
IBM	Power 8 (64-bit)	Y	Y	RedHat Enterprise Linux 7.3 (little endian)	XLF 15.1.3.0	XLC 13.1.3.0	xlsmplib 4.1.3.0; Atlas (included on G16 CD)
IBM	Power 9 (64-bit)	Y	Y	RedHat Enterprise Linux 7.6 (little endian)	XLF 16.1.1.0	XLC 16.1.1.0	xlsmplib 5.1.1.0; Atlas (included on G16 CD)
NEC	SX-ACE	Y	N	Contact <a href="mailto:help@gaussian.com">help@gaussian.com</a> for details			