Gaussian 16 Available Binary Versions for Rev. A.03

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.
- An upgraded version of **Linda** is required when upgrading from *Gaussian 09* to *Gaussian 16*.
- The Linux RedHat and SuSE versions specified for x86_64, IA32, IA64, 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 Tesla-K40 and Tesla-K80 boards with 12 GB of memory or higher. A version of NVIDIA Tesla drivers compatible with CUDA 7.5 or higher may be required to run on GPUs (NVIDIA drivers can be found at 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; SUSE Linux Enterprise Server 11 (SP2, SP3, SP4); Red Hat Enterprise Linux 5.11, 6.8, 7.3	
AMD/Intel	X86_64 (SSE4.2-enabled)	Y	Y	openSUSE Linux 11.4, 12.3, 13.2, Leap 42.2; SuSE Linux Enterprise Server 11 (SP2, SP3, SP4), 12 SP2; Red Hat Enterprise Linux 5.11, 6.8, 7.3	
AMD/Intel	X86_64 (AVX-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.2; SuSE Linux Enterprise Server 11 SP4, 12 SP2; Red Hat Enterprise Linux 6.8, 7.3	
AMD/Intel	X86_64 (AVX2-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.2; SuSE Linux Enterprise Server 11 SP4, 12 SP2; Red Hat Enterprise Linux 6.8, 7.3	
AMD Athlon and Intel IA32-based systems	IA32 (Pentium IV and higher); AMD Athlon	Y	Y	SuSE Linux 9.3, 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, 10.11.2, 10.12.2	
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 6 (64-bit)	Y	Y	AIX 5.3	xlsmp.rte 2.1
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 7.1	Contact help@gaussian.com for details
IBM	Power 8 (64-bit)	Y	N	RedHat Enterprise Linux 7.1 (big endian)	Contact help@gaussian.com for details
IBM	Power 8 (64-bit)	Y	N	RedHat Enterprise Linux 7.1 (little endian)	Contact help@gaussian.com for details
Intel IA64-based systems	Intel Itanium2 (IA64)	Y	Y	SuSE Linux Enterprise 9, 10; Red Hat Enterprise Linux 5.2	
NEC	SX-ACE	Y	N	Contact help@gaussian.com for details	

Gaussian 16 Available Source Code Versions for Rev. A.03

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 Tesla-K40 and Tesla-K80 boards with 12 GB of memory or higher. See Release Notes for build details A version of NVIDIA Tesla drivers compatible with CUDA 7.5 or higher may be required to run on GPUs (NVIDIA drivers can be found at 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; SUSE Linux Enterprise Server 11 (SP2, SP3, SP4); Red Hat Enterprise Linux 5.11, 6.8, 7.3	Portland Group F77 16.5 [no other 16.X version is supported] www.pgroup.com	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 42.2; SuSE Linux Enterprise Server 11 (SP2, SP3, SP4), 12 (SP1, SP2); Red Hat Enterprise Linux 5.11, 6.8, 7.3	Portland Group F77 16.5 [no other 16.X version is supported] www.pgroup.com	gcc included with Linux	Atlas (included on G16 CD)
AMD/Intel	X86_64 (AVX-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.2; SuSE Linux Enterprise Server 11 SP4, 12 SP2; Red Hat Enterprise Linux 6.8, 7.3	Portland Group F77 16.5 [no other 16.X version is supported] www.pgroup.com	gcc included with Linux	Atlas (included on G16 CD)
AMD/Intel	X86_64 (AVX2-enabled) †	Y	Y	openSUSE Linux 13.2, Leap 42.2; SuSE Linux Enterprise Server 11 SP4, 12 SP2; Red Hat Enterprise Linux 6.8, 7.3	Portland Group F77 16.5 [no other 16.X version is supported] www.pgroup.com	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 9.3, 10.3, 11.4; Red Hat Enterprise Linux 5.6, 6.1	Portland Group F77 16.5 [no other 16.X version is supported] www.pgroup.com	gcc included with Linux	Atlas (included on G16 CD)
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, 10.11.5, 10.12.2	Portland Group F77 16.5 [no other 16.X version is supported] www.pgroup.com	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 6 (64-bit)	Y	Y	AIX 5.3	XLF 13.1.0.0	XLC 11.1.0.0	xlsmp 2.1.0.0; Atlas (included on G16 CD)
IBM	Power 7 (64-bit)	Y	Y	AIX 6.1, 7.1	XLF 13.1.0.12	XLC 11.1.0.12	xlsmp 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	xlsmp 2.1.0.7; Atlas (included on G16 CD)
IBM	Power 8 (64-bit)	Y	Y	AIX 7.1	Contact help@gaussian.com for details		
IBM	Power 8 (64-bit)	Y	N	RedHat Enterprise Linux 7.1 (big endian)	Contact help@gaussian.com for details		
IBM	Power 8 (64-bit)	Y	N	RedHat Enterprise Linux 7.1 (little endian)	Contact help@gaussian.com for details		
Intel	Intel Itanium2 (IA64-based systems)	Y	Y	SuSE Linux Enterprise 9, 10; Red Hat Enterprise Linux 5.2	Intel Version 11.1 Update 6 (11.1.072, Build 20100401; l_fc_p_11.1.072)	Intel Version 11.1 Update 6 (11.1.072, Build 20100401; l_cc_p_11.1.072)	Intel MKL 10.2 Update 5 (10.2.5.035)
NEC	SX-ACE	Y	N	Contact help@gaussian.com for details			