

System Requirements & Platform Availability by Product for R2017b

View general [system requirements](#).

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Aerospace Blockset	Requires MATLAB Requires Simulink Requires Aerospace Toolbox Control System Toolbox recommended	✓	✓	✓
Aerospace Toolbox	Requires MATLAB	✓	✓	✓
Antenna Toolbox	Requires MATLAB RF Toolbox recommended Phased Array System Toolbox recommended	✓	✓	✓
Audio System Toolbox	Requires MATLAB Requires DSP System Toolbox Requires Signal Processing Toolbox Simulink recommended Simulink Coder recommended MATLAB Coder recommended Simulink Real-Time recommended Simulink required to use block library	✓	✓	✓
Automated Driving System Toolbox	Requires MATLAB Requires Computer Vision System Toolbox Requires Image Processing Toolbox The <code>vehicleDetectorFasterRCNN</code> class requires Neural Network Toolbox. Parallel Computing Toolbox is required for GPU support. Statistics and Machine Learning Toolbox recommended Simulink recommended Neural Network Toolbox recommended Parallel Computing Toolbox recommended	✓	✓	✓
Bioinformatics Toolbox	Requires MATLAB Requires Statistics and Machine Learning Toolbox On Red Hat Enterprise Linux 6.x and SUSE Linux Enterprise Desktop 11.x, use LIBZ version 1.2.3.3 or higher	✓	✓	✓

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Communications System Toolbox	Requires MATLAB Requires Signal Processing Toolbox Requires DSP System Toolbox Fixed-Point Designer recommended Simulink Coder recommended Simulink recommended RF Toolbox recommended RF Blockset recommended Parallel Computing Toolbox recommended MATLAB Coder recommended LTE System Toolbox recommended WLAN System Toolbox recommended HDL Coder recommended	✔	✔	✔
Computer Vision System Toolbox	Requires MATLAB Requires Image Processing Toolbox Signal Processing Toolbox recommended Simulink recommended DSP System Toolbox recommended Fixed-Point Designer recommended Image Acquisition Toolbox recommended Simulink Coder recommended MATLAB Coder recommended Simulink required to use block library Statistics and Machine Learning Toolbox recommended Parallel Computing Toolbox recommended Neural Network Toolbox recommended The <code>trainImageCategoryClassifier</code> function and <code>imageCategoryClassifier</code> class require Statistics and Machine Learning Toolbox. The <code>trainRCNNObjectDetector</code> function requires Neural Network Toolbox and Statistics and Machine Learning Toolbox. Parallel Computing Toolbox is required for GPU support. The <code>trainFastRCNNObjectDetector</code> function requires Neural Network Toolbox. Parallel Computing Toolbox is required for GPU support. The <code>trainFasterRCNNObjectDetector</code> function requires Neural Network Toolbox. Parallel Computing Toolbox is required for GPU support. The <code>rcnnObjectDetector</code> class requires Neural Network Toolbox and Statistics and Machine Learning Toolbox. Parallel Computing Toolbox is required for GPU support. The <code>fastRCNNObjectDetector</code> class requires Neural Network Toolbox. Parallel Computing Toolbox is required for GPU support. The <code>fasterRCNNObjectDetector</code> class requires Neural Network Toolbox. Parallel Computing Toolbox is required for GPU support. Functions for semantic segmentation (<code>semanticseg</code> , <code>segnetLayers</code> , <code>fcnLayers</code> , <code>pixelClassificationLayer</code> , <code>crop2dLayer</code>) require Neural Network Toolbox. Parallel Computing Toolbox is required for GPU support.	✔	✔	✔

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Control System Toolbox	Requires MATLAB	✓	✓	✓
Curve Fitting Toolbox	Requires MATLAB Statistics and Machine Learning Toolbox recommended	✓	✓	✓
Data Acquisition Toolbox	Requires MATLAB Requires a supported data acquisition hardware device and its associated driver software	✓		
Database Toolbox	<p>Requires MATLAB Your system must have access to an installed database. Database Toolbox supports importing and exporting data from any ODBC- and JDBC-compliant database management system, including:</p> <ul style="list-style-type: none"> - IBM DB2 - IBM Informix - Ingres - Microsoft Access - Microsoft Excel - Microsoft SQL Server - MySQL - Oracle - PostgreSQL - Sybase SQL Server - Sybase SQL Anywhere <p>Database Toolbox requires a database driver. You typically install a driver when you install a database. For instructions about how to install a database driver, consult your database administrator.</p> <p>On Windows platforms, Database Toolbox supports Open Database Connectivity (ODBC) drivers and Java Database Connectivity (JDBC) drivers. On UNIX platforms, Database Toolbox supports JDBC drivers. See product documentation for more details.</p> <p>Database Toolbox supports American National Standards Institute (ANSI) standard SQL commands.</p>	✓	✓	✓

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Datafeed Toolbox	Requires MATLAB Datafeeds available only on Windows from: - Bloomberg - Haver Analytics - IQFeed	✓	✓	✓
DO Qualification Kit	Requires MATLAB Requires Simulink Report Generator (to execute tests for Simulink Check tool qualification)	✓	✓	✓
DSP System Toolbox	Requires MATLAB Requires Signal Processing Toolbox Simulink recommended Fixed-Point Designer recommended Communications System Toolbox recommended Simulink Coder recommended MATLAB Coder recommended Simulink required to use block library	✓	✓	✓
Econometrics Toolbox	Requires MATLAB Requires Statistics and Machine Learning Toolbox Requires Optimization Toolbox	✓	✓	✓
Embedded Coder	Requires MATLAB Requires MATLAB Coder Requires Simulink for generating code from Simulink Requires Simulink Coder for generating code from Simulink Requires Fixed-Point Designer for generating fixed-point code Requires host platform C compiler. See list of supported host compilers . Requires crosscompiler for the target processor if the code will execute on a platform different from the host. Simulink Coder recommended	✓	✓	✓
Filter Design HDL Coder	Requires MATLAB Requires Signal Processing Toolbox Requires Fixed-Point Designer Requires DSP System Toolbox HDL Coder recommended HDL Verifier recommended	✓	✓	✓
Financial Instruments Toolbox	Requires MATLAB Requires Financial Toolbox Requires Statistics and Machine Learning Toolbox Requires Optimization Toolbox The fitSmoothingSpline function requires Curve Fitting Toolbox Econometrics Toolbox recommended Datafeed Toolbox recommended Curve Fitting Toolbox recommended Global Optimization Toolbox recommended Database Toolbox recommended	✓	✓	✓

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Financial Toolbox	Requires MATLAB Requires Statistics and Machine Learning Toolbox Requires Optimization Toolbox	✓	✓	✓
Fixed-Point Designer	Requires MATLAB Requires Simulink for fixed-point design in Simulink	✓	✓	✓
Fuzzy Logic Toolbox	Requires MATLAB Requires Simulink for using toolbox blocks	✓	✓	✓
Global Optimization Toolbox	Requires MATLAB Requires Optimization Toolbox Parallel Computing Toolbox recommended	✓	✓	✓
GPU Coder	Requires MATLAB Requires MATLAB Coder Requires Parallel Computing Toolbox Embedded Coder recommended Requires Neural Network Toolbox to generate code from deep learning networks Requires host platform C compiler. See list of supported host compilers. - Requirements for GPU Computing - CUDA-enabled NVIDIA GPU with compute capability 3.2 or higher - CUDA toolkit 8.0 and driver (get latest toolkit) Requirements for executing deep learning examples - cuDNN 5.1 and newer (get latest library) - OpenCV 2.4.9 and newer (get latest library)	✓		✓
HDL Coder	Requires MATLAB Requires Fixed-Point Designer Requires MATLAB Coder Simulink recommended Signal Processing Toolbox recommended DSP System Toolbox recommended HDL Verifier recommended	✓	✓	✓
HDL Verifier	Requires MATLAB Simulink recommended Fixed-Point Designer recommended MATLAB Coder required for DPI component generation	✓		✓
IEC Certification Kit	Requires MATLAB Requires Simulink Report Generator (to execute tests for Simulink Check tool qualification)	✓	✓	✓
Image Acquisition Toolbox	Requires MATLAB Requires Image Processing Toolbox Computer Vision System Toolbox recommended	✓	✓	✓

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Image Processing Toolbox	Requires MATLAB Signal Processing Toolbox recommended Statistics and Machine Learning Toolbox recommended Computer Vision System Toolbox recommended Wavelet Toolbox recommended Image Acquisition Toolbox recommended Mapping Toolbox recommended	✓	✓	✓
Instrument Control Toolbox	Requires MATLAB For VISA and GPIB support, availability and installation of third-party platform-specific GPIB and VISA libraries are required	✓	✓	✓
LTE HDL Toolbox	Requires MATLAB Requires Simulink Requires Communications System Toolbox Requires Signal Processing Toolbox Requires DSP System Toolbox Requires Fixed-Point Designer LTE System Toolbox recommended HDL Coder recommended HDL Verifier recommended	✓	✓	✓
LTE System Toolbox	Requires MATLAB Requires Signal Processing Toolbox Requires DSP System Toolbox Requires Communications System Toolbox Instrument Control Toolbox recommended Parallel Computing Toolbox recommended HDL Coder recommended RF Blockset recommended	✓	✓	✓
Mapping Toolbox	Requires MATLAB Statistics and Machine Learning Toolbox recommended Image Processing Toolbox recommended	✓	✓	✓
MATLAB	Prerequisite for all other products	✓	✓	✓
MATLAB Coder	Requires MATLAB Simulink Coder recommended Embedded Coder recommended Requires Fixed-Point Designer for generating fixed-point code Requires host platform C compiler. See list of supported host compilers . Requires cross compiler for the target processor if the code will execute on a platform different from the host	✓	✓	✓
MATLAB Compiler	Requires MATLAB	✓	✓	✓
MATLAB Compiler SDK	Requires MATLAB Requires MATLAB Compiler Creating libraries and components that will be integrated with other programming languages requires a compiler for those languages. See list of supported compilers .	✓	✓	✓

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
MATLAB Distributed Computing Server	Requires Parallel Computing Toolbox on user desktop MATLAB Distributed Computing Server is installed on cluster computers. See additional system requirements	✓	✓	✓
MATLAB Production Server	Does not require MATLAB or Simulink See additional system requirements .	✓	✓	✓
MATLAB Report Generator	Requires MATLAB	✓	✓	✓
Model Predictive Control Toolbox	Requires MATLAB Requires Control System Toolbox Requires Simulink for using toolbox blocks Simulink Control Design recommended	✓	✓	✓
Model-Based Calibration Toolbox	Requires MATLAB Requires Simulink Requires Optimization Toolbox Requires Statistics and Machine Learning Toolbox Requires Symbolic Math Toolbox Neural Network Toolbox recommended Parallel Computing Toolbox recommended Global Optimization Toolbox recommended	✓		
Neural Network Toolbox	Requires MATLAB Simulink recommended Parallel Computing Toolbox recommended	✓	✓	✓
OPC Toolbox	Requires MATLAB	✓		
Optimization Toolbox	Requires MATLAB Parallel Computing Toolbox recommended	✓	✓	✓

Parallel Computing Toolbox	<p>Requires MATLAB</p> <p>MATLAB Distributed Computing Server is required for running computations on remote machines.</p> <p>Requirements for Parallel Computing on the Desktop (using local workers available with Parallel Computing Toolbox)</p> <ul style="list-style-type: none"> - Maximum of 1 MATLAB worker per CPU core is recommended. - Minimum of 1 GB RAM per MATLAB worker is recommended while running workers locally on the desktop. A worker consumes memory equivalent to a MATLAB session running without the MATLAB desktop. - Minimum of 5 GB of disk space is recommended to accommodate temporary data directories. <p>Requirements for GPU Computing</p> <ul style="list-style-type: none"> - CUDA-enabled NVIDIA GPU with compute capability 2.0 or higher. For releases 14a and earlier, compute capability 1.3 is sufficient. In a future release, support for GPU devices of compute capability 2.x will be removed. At that time, a minimum compute capability of 3.0 will be required. <p><i>(Is my GPU supported?)</i></p> <ul style="list-style-type: none"> - Latest graphics driver (<i>Get the latest driver.</i>) 	✓	✓	✓
Partial Differential Equation Toolbox	Requires MATLAB	✓	✓	✓
Phased Array System Toolbox	<p>Requires MATLAB</p> <p>Requires DSP System Toolbox</p> <p>Requires Signal Processing Toolbox</p> <p>Simulink recommended</p>	✓	✓	✓
Polyspace Bug Finder	<p>Requires MATLAB</p> <p>Polyspace Code Prover recommended</p>	✓	✓	✓
Polyspace Client for Ada	<p>Polyspace Server for Ada required</p> <p>Does not require MATLAB or Simulink</p>	✓		✓
Polyspace Code Prover	<p>Requires MATLAB</p> <p>Requires Polyspace Bug Finder</p> <p>Requires MATLAB Distributed Computing Server</p>	✓	✓	✓
Polyspace Server for Ada	<p>Polyspace Client for Ada recommended</p> <p>Does not require MATLAB or Simulink</p>	✓		✓

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Powertrain Blockset	Requires MATLAB Requires Simulink Stateflow recommended Simscape recommended Model-Based Calibration Toolbox recommended	✓	✓	✓
RF Blockset	Requires MATLAB Requires Simulink Requires RF Toolbox Communications System Toolbox recommended DSP System Toolbox recommended Signal Processing Toolbox recommended	✓	✓	✓
RF Toolbox	Requires MATLAB Communications System Toolbox recommended	✓	✓	✓
Risk Management Toolbox	Requires MATLAB Requires Financial Toolbox Requires Statistics and Machine Learning Toolbox Requires Optimization Toolbox Financial Instruments Toolbox recommended Econometrics Toolbox recommended Datafeed Toolbox recommended Global Optimization Toolbox Database Toolbox recommended	✓	✓	✓
Robotics System Toolbox	Requires MATLAB Image Processing Toolbox recommended Simulink Coder recommended Computer Vision System Toolbox recommended Simscape Multibody recommended Stateflow recommended Simulink recommended Embedded Coder recommended	✓	✓	✓
Robust Control Toolbox	Requires MATLAB Requires Control System Toolbox Requires Simulink for using toolbox blocks Simulink Control Design recommended	✓	✓	✓
Signal Processing Toolbox	Requires MATLAB DSP System Toolbox recommended	✓	✓	✓
SimBiology	Requires MATLAB Global Optimization Toolbox recommended Optimization Toolbox recommended Parallel Computing Toolbox recommended Statistics and Machine Learning Toolbox recommended	✓	✓	✓
SimEvents	Requires MATLAB Requires Simulink Stateflow recommended Statistics and Machine Learning Toolbox recommended	✓	✓	✓

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Simscape	Requires MATLAB Requires Simulink	✓	✓	✓
Simscape Driveline	Requires MATLAB Requires Simulink Requires Simscape	✓	✓	✓
Simscape Electronics	Requires MATLAB Requires Simulink Requires Simscape Simulink Control Design recommended Optimization Toolbox recommended Simscape Multibody recommended Simscape Fluids recommended Control System Toolbox recommended Simulink Design Optimization recommended	✓	✓	✓
Simscape Fluids	Requires MATLAB Requires Simulink Requires Simscape	✓	✓	✓
Simscape Multibody	Requires MATLAB Requires Simulink Requires Simscape	✓	✓	✓
Simscape Power Systems	Requires MATLAB Requires Simulink Requires Simscape	✓	✓	✓
Simulink	Requires MATLAB. Requires Fixed-Point Designer for simulating fixed-point data types Some features require the use of a C compiler. See the list of supported compilers .	✓	✓	✓
Simulink 3D Animation	Requires MATLAB Simulink recommended Simulink is required if using the blockset portion of the product	✓	✓	✓
Simulink Check	Requires MATLAB Requires Simulink	✓	✓	✓
Simulink Code Inspector	Requires MATLAB Requires Simulink Requires host platform C compiler supported by MATLAB (for <code>loadlibrary</code> usage). See list of supported host compilers .	✓		✓
Simulink Coder	Requires MATLAB Requires Simulink Requires MATLAB Coder Embedded Coder recommended Simulink Real-Time recommended Requires Fixed-Point Designer for generating fixed-point code Requires host platform C compiler. See list of supported host compilers . Requires cross-compiler for the target processor if the code will execute on a platform different from the host.	✓	✓	✓

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Simulink Control Design	Requires MATLAB Requires Simulink Requires Control System Toolbox Simulink Design Optimization recommended	✓	✓	✓
Simulink Coverage	Requires MATLAB Requires Simulink Simulink Test recommended Simulink Design Verifier recommended Embedded Coder recommended	✓	✓	✓
Simulink Design Optimization	Requires MATLAB Requires Simulink Requires Optimization Toolbox Global Optimization Toolbox recommended Parallel Computing Toolbox recommended Simulink Control Design recommended Control System Toolbox recommended Statistics and Machine Learning Toolbox recommended	✓	✓	✓
Simulink Desktop Real-Time	Requires MATLAB Requires Simulink Simulink Coder recommended MATLAB Coder recommended	✓	✓	
Simulink Design Verifier	Requires MATLAB Requires Simulink Requires Simulink Check Requires Simulink Coverage	✓	✓	✓
Simulink PLC Coder	Requires MATLAB Requires Simulink	✓		
Simulink Real-Time	Requires MATLAB Requires Simulink Requires Simulink Coder Requires MATLAB Coder Stateflow recommended Available on 32 bit Windows and 64 bit Windows only Requires a compiler (See supported compiler versions.)	✓		
Simulink Report Generator	Requires MATLAB Requires Simulink Requires MATLAB Report Generator	✓	✓	✓
Simulink Requirements	Requires MATLAB Requires Simulink Simulink Test recommended	✓	✓	✓
Simulink Test	Requires MATLAB Requires Simulink Simulink Design Verifier recommended Simulink Report Generator recommended Embedded Coder recommended Simulink Check recommended Stateflow recommended	✓	✓	✓

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Spreadsheet Link	Requires MATLAB Available on 32 bit Windows and 64 bit Windows only Requires one of the following versions of Excel: Excel 2007 Excel 2010 Excel 2013 or later	✓		
Stateflow	Requires MATLAB Requires Simulink Requires C compiler when used in non-Windows or 64 bit environments. See the list of supported compilers .	✓	✓	✓
Statistics and Machine Learning Toolbox	Requires MATLAB	✓	✓	✓
Symbolic Math Toolbox	Requires MATLAB	✓	✓	✓
System Identification Toolbox	Requires MATLAB Requires Simulink for using toolbox blocks Signal Processing Toolbox recommended Control System Toolbox recommended	✓	✓	✓
Text Analytics Toolbox	Requires MATLAB Requires Statistics and Machine Learning Toolbox Parallel Computing Toolbox recommended Neural Network Toolbox recommended	✓	✓	✓
Trading Toolbox	Requires MATLAB Financial Toolbox recommended Financial Instruments Toolbox recommended Econometrics Toolbox recommended Datafeed Toolbox recommended Global Optimization Toolbox recommended Windows only support: - X_TRADER® - CQG - Bloomberg EMSX - Interactive Brokers®	✓		

Product	System Requirements	Windows (64 bit)	Mac (64 bit)	Linux (64 bit)
Vehicle Network Toolbox	Requires MATLAB Simulink recommended	✓		
Vision HDL Toolbox	Requires MATLAB HDL Coder recommended Image Processing Toolbox recommended Fixed-Point Designer recommended Computer Vision System Toolbox recommended HDL Verifier recommended Simulink recommended	✓		✓
Wavelet Toolbox	Requires MATLAB Signal Processing Toolbox recommended Image Processing Toolbox recommended Statistics and Machine Learning Toolbox recommended	✓	✓	✓
WLAN System Toolbox	Requires MATLAB Requires Signal Processing Toolbox Requires DSP System Toolbox Requires Communications System Toolbox Instrument Control Toolbox recommended Parallel Computing Toolbox recommended LTE System Toolbox recommended HDL Coder recommended RF Blockset recommended MATLAB Coder recommended	✓	✓	✓