CONFIGURATION GUIDE

PathWave EM Design (EMPro) Configuration

PATHWAVE

More value, simple to choose, easy to configure

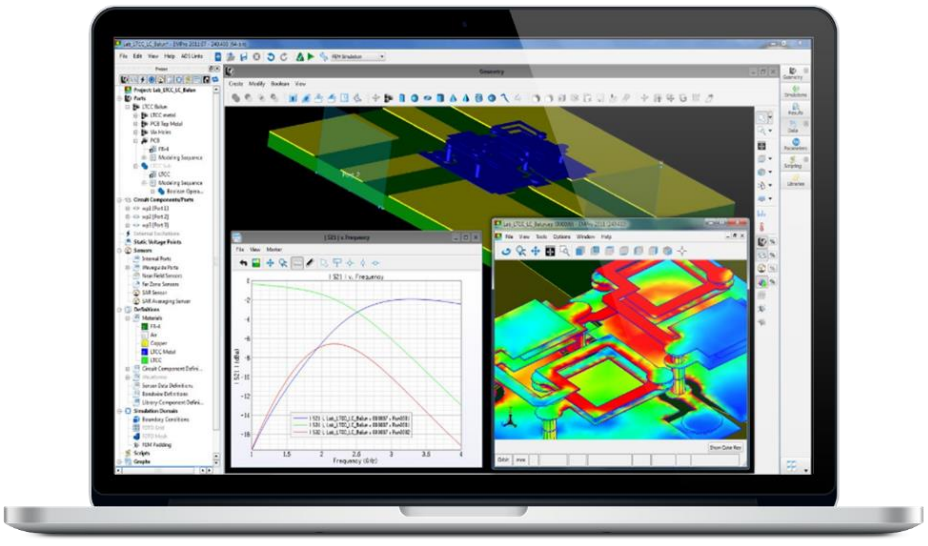
PathWave EM Design (EMPro) Bundled Software

PathWave EM Design software bundles provide RF design engineers with a choice of value-packed, pre-configured combinations of software built for specific electromagnetic design challenges. These combinations enable you to analyze RF and microwave circuits and systems with fast simulation and powerful optimization tools. Electromagnetic simulation brings you insight before physical prototyping. Customize EM simulations for speed and accuracy. Integrate EM analysis with your circuit simulations.

PathWave EM Design bundles are comprised of the *W4300B PathWave EM Design (EMPro) Core* environment and add separate PathWave EM Design Simulation Elements, each of which provide specific design and simulation capabilities.

Simulation elements are themselves comprised of one or more separate modules, which add additional design and development functions. These modules, which were formerly sold separately, are now grouped together into very efficient and effective combinations.

Simpler all around, PathWave EM Design (EMPro) bundled software configurations with simplified licensing and support options make it easy to choose, download and setup your software.



KEYSIGHT TECHNOLOGIES

Configure Your New Software

This step-by-step process will help you configure your new PathWave EM Design software when making your initial order.

Try before you buy!

Download PathWave EM Design software and use it free for 30 days. Visit www.keysight.com/find/em-design-evaluation

Step 1: Choose your software product

Base bundle

The W4300B PathWave EM Design (EMPro) Core bundle is the foundation for all other PathWave EM Design bundles. It contains the PathWave EM Design user environment. The remaining PathWave EM Design bundles add powerful EM simulation capabilities to the core environment.

EM Design Bundles

Model	Name	Description
W4300B	PathWave EM Design (EMPro) Core	3D solid modeling environment for creating arbitrary 3D objects and importing existing models from other CAD environments. Note: EM Design Core requires a separate EM simulator (e.g. FEM or FDTD) to run EM simulations
W4301B	PathWave EM Design (EMPro) Core + ADS RFPro UI + FEM	3D solid modeling environment and Finite Element Method (FEM) simulator; also includes the RFPro User Interface for use in ADS
W4302B	PathWave EM Design (EMPro) Core + FDTD + Compliance Module	3D solid modeling environment, Finite Difference Time Domain (FDTD) simulator and Compliance Module
W4303B	PathWave EM Design (EMPro) Core + ADS RFPro UI + FEM + FDTD + Compliance Module	3D solid modeling environment, Finite Element Method (FEM) simulator, Finite Difference Time Domain (FDTD) simulator and Compliance Module. Includes RFPro User Interface for use in ADS

Elements

Model	Name	Description
W3032E	PathWave FEM	3D Finite Element Method (FEM) simulator; for use with the PathWave EM Design (EMPro) Core Environment and in PathWave ADS Core
W4005E	PathWave FDTD	3D EM simulation engine based on the Finite Difference Time Domain (FDTD) modeling technique, for use with the PathWave EM Design (EMPro) Core
W4006E	Compliance Module	Advanced testing algorithms for applications such as hearing aid compatibility (HAC) and specific absorption ratio (SAR)

Step 2: Select desired license term

Table 1. License terms

License term	Description
Perpetual [1]	Perpetual licenses can be used indefinitely
Subscription	Subscription licenses can be used through the term of the license (6, 12, 24, or 36 months)

1. The purchase of EDA perpetual licenses is no longer available. For more information, refer to https://www.keysight.com/find/eda-perpetual-license-letter

Step 3: Select desired license type

Table 2. License types

License term	Description
Node-locked	License can be used on one specified instrument/computer
USB portable	License can be used on one instrument/computer at a time but can be transferred to another using a certified USB dongle (available for additional purchase, Keysight part number E8900-D10).
Floating	Networked instruments/computers can access a license from a server one at a time. Multiple licenses may be purchased for concurrent usage. Three types of floating license are available: **N - Single site:** 1-mile radius from the server; **R - Single region [2]:** Americas; Europe; Asia; **W - Worldwide** (export restriction identified in End User License Agreement (EULA))

2. Americas (North, Central, and South America, Canada); Europe (European Continent, Middle Eastern Europe, Africa, India); Asia (North and South Asia Pacific Countries, China, Taiwan, Japan).

Step 4: Choose your support subscription and duration

Table 3. KeysightCare software support subscription

Subscription	Description
KeysightCare support subscription	Perpetual licenses are sold with a 12 (default), 24, 36, or 60-month software support subscription. Support subscriptions can be renewed for a fee after that.
	Subscription licenses already include a software support subscription through the term of the license.

Floating License Server Requirements

The PathWave EM Design floating license requires loading a vendor daemon on a license server. This server may be the same PC running the PathWave EM Design software. Full installation instructions and support are provided for compatible server operating systems: Windows 7 Professional, Enterprise, Ultimate (64-bit); Microsoft Windows 8 Professional or Enterprise; or Microsoft Windows 10 Professional or Enterprise (64-bit).

Visit www.keysight.com/find/license-server

Download the latest software!

Downloading the latest version of PathWave System Design software is easy. www.keysight.com/find/em-design-downloads

Resources

Learn more about:

- PathWave Design Software
- Software Terms, Types and KeysightCare Software Support Subscriptions

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

KEYSIGHT TECHNOLOGIES