



Electronics Packages

Electronics software offers three core packages:

/ Ansys Electronics Enterprise

Premier software package for the engineer solving problems across the electronics design spectrum. All Ansys electronics technologies are included in this single user package.

/ Ansys Electronics Pro 2D

Electronics Pro 2D is ideal for 2D low frequency electromagnetic analysis, 2D parameter extraction and RF system analysis for the prediction of radio frequency interference and circuit simulation with advanced RF functionality.

/ Ansys Electronics Premium

Premium features of our flagship products.

Ansys HFSS

Ansys Maxwell

Electronics Premium HFSS	Electronics Premium Maxwell
All HFSS 3D solvers	3D low frequency static and transient solvers
ECAD and MCAD modeling and translation	ECAD and MCAD modeling and translation
Advanced circuit analysis	Advanced circuit analysis
Electronics Pro 2D	Electronics Pro 2D

Ansys Icepak

Ansys Siwave

Electronics Premium Icepak	Electronics Premium Siwave
All Icepak solvers	Siwave DC and Power Integrity Solvers
Mechanical thermal and modal solvers	ECAD and MCAD modeling and translation
ECAD and MCAD modeling and translation	Advanced circuit analysis
Advanced circuit analysis	Electronics Pro 2D
Electronics Pro 2D	

/ Electronics Enterprise

Electronics Enterprise is a comprehensive single user software package that includes all the capabilities of Electronics Pro 2D and Electronics Premium and enables many additional advanced capabilities. This powerful software package enables engineers to analyze a broad range of electromagnetic, electromechanical, RF, circuit and system-level applications with access to the full suite of Ansys Electronics simulation tools, including coupled multiphysics solutions (e.g. HFSS and Icepak electrothermal simulations).

/ Electronics Pro 2D

Electronics Pro 2D software package enables engineers to perform 2D electromagnetic and 2D electromechanical circuit and system analysis. It includes 2D quasi-static, transient and RLGC extraction capabilities. An intuitive template-based design flow gives you the ability to automatically generate and analyze different electric machine designs and electronic transformers.

In addition, the Electronics Pro 2D software package provides analog, digital and system-level circuit analysis tools as well as radio-frequency interference (RFI) and electromagnetic interference (EMI) solutions.



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The complete list of the Electronics Product Package contents is available in the table below.

Electronics Product Package Contents	Electronics Pro 2D	Electronics Premium HFSS	Electronics Premium Maxwell	Electronics Premium Q3D Extractor	Electronics Premium Icepak	Electronics Premium SIwave	Electronics Enterprise
Electronics Desktop 2D Prep/Post	✓	✓	✓	✓	✓	✓	✓
Maxwell 2D, PExprt, RMxpprt	✓	✓	✓	✓	✓	✓	✓
2D Extractor	✓	✓	✓	✓	✓	✓	✓
Simplorer (Analog and Digital)	✓	✓	✓	✓	✓	✓	✓
EMIT	✓	✓	✓	✓	✓	✓	✓
Optimetrics	✓	✓	✓	✓	✓	✓	✓
DC Transient, RF Circuits	✓	✓	✓	✓	✓	✓	✓
SI Circuit		✓	✓	✓	✓	✓	✓
Electronics Desktop 3D Prep/Post		✓	✓	✓	✓	✓	✓
ECAD & MCAD Translation		✓	✓	✓	✓	✓	✓
Network Data Explorer		✓	✓	✓	✓	✓	✓
HFSS		✓					✓
Maxwell 3D			✓				✓
Q3D Extractor				✓			✓
Icepak					✓		✓
SIwave (DC,PI)						✓	✓
SIwave (Scanners, HFSS Regions, EMI, etc.)							✓
Design of Experiments							✓
SpaceClaim Design Modeler							✓
SBR+ Accelerated Doppler Processing							✓