TINA and TINA Design Suite version 9 comparison	TINA Industrial	TINA Educational	TINA Classic	TINA Student	TINA Basic
Circuit Entry	+	+	+	+	+
Schematic Editor	+	+	+	+	+
Undo	+	+	+	+	+
Redo	+	+	+	+	+
Automatic/manual wire routing and drag support	+	+	+	+	+
Instruments as standard schematic symbols	+	+	+	+	+
Subcircuits	+	+	+	+	+
BOM	+	+	+	+	+
Bus	+	+	+	+	+
Integrated Schematic Symbol Editor	+	+	+	+	+
Integrated Netlist Editor	+	+	+	+	+
Component Toolbar Editor	+	+	+	+	+
Excitation Editor for arbitrary waveforms	+	+	+	+	+
PCB export to major packages	+	+	+	+	+
Hierarchical and Team Design with Version Control	+	+	-	-	-
Parameter Extractor/Model Maker	+	+	-	-	-
PCB Design (in Design Suite only)					
Number of pads	unlimited	1000	1000	100	100
Analyses					
Max. number of external nodes and nodes in macros	unlimited	unlimited	unlimited	100	100
DC, AC, Transient, Digital, Mixed mode Simulation	+	+	+	+	+
Steady State Solver (SMPS analysis)	+	-	-	-	-
RF Simulation	+	+	+	+	+
RF models given by S-parameters	+	+	.	-	-
Network Analysis	+	+	-	-	-
Number of components and models	20,000	20,000	10,000	10,000	10,000
Digital Simulation	+	+	+	+	+
VHDL Simulation	+	+	+	+	+
VHDL external debugger	+	+	-	-	-
MCU simulation and debugging	+	+	+	+	+
Interactive Mode	+	+	+	+	+
Circuit changes while a simulation is running	+	+	+	+	+
Symbolic Analysis (closed formulas)	+	+	+	+	+
Fourier Analysis (harmonics)	+	+	+	+	+
Fourier Analysis (spectrum)	+	+	+	+	+
Noise, Monte Carlo, Worst Case	+	+	+	+	+
Stress (Smoke) Analysis	+	-	-	-	-

Group Delay	+	+	+	+	+
Number of Optimization Targets & Parameters	any	1	1	1	1
Number of Parameters in Parameter Stepping	any	1	1	1	1
Parameter Sweeping	+	+	+	+	+
Analysis directly from Netlist	+	+	+	+	+
Output Capabilities					
Scaled Diagrams	+	+	+	+	+
Multiple Axes	+	+	+	+	+
Full Scaled Smith Diagram	+	+	-	-	-
Nyquist Diagram	+	+	+	+	+
Pole-Zero Diagram	+	+	+	+	+
Drawing tools to enhance diagrams	+	+	+	+	+
Post Processing Tools	+	+	+	+	+
Built in DTP tools	+	+	+	+	+
MathCAD and Excel export	+	+	+	+	+
Virtual Instruments					
XY Recorder	+	+	+	+	+
Oscilloscope	+	+	+	+	+
Function Generator	+	+	+	+	+
Multimeter	+	+	+	+	+
Signal Analyzer/Bode Plotter (Note 2)	+	+	+	+	+
Network Analyzer	+	+	-	-	-
Spectrum Analyzer (Note 3)	+	+	+	+	+
Logic Analyzer	+	+	+	+	+
Digital Signal Generator	+	+	+	+	+
Spectrum Analyzer	+	+	+	+	+
Window functions for Spectrum Analyzer	+	+	+	+	+
Real-time Test and Measurement					
Analog and digital data acquisition	+	+	-	-	-
Analog and digital signal generator	+	+	-	-	-
Educational Features					
Software fault simulation	+	+	+	+	+
Real-time (hardware) fault simulation	+	+	-	-	-
Experiment modules	+	+	-	-	-
Problem solver tool with simulation checking	+	+	+	+	+
Teacher utilities for problem construction	+	+	+	+	-
Class and student evaluation	+	+	+	+	-
Training and Examination Mode	+	+	+	+	-

Note 2 The Bode Plot is just one of the functions of TINA's modern Signal Analyzer
Note 3 The Spectrum Analyzer is part of TINA's Signal Analyzer

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