

MBT IoT/Embedded Tool List (not a complete list)

Tool	Experience	Input/Output format	Description
BPM-Xchange	no	Business process notation from several tools and outputs to popular engines	BPM-Xchange creates test cases from business process models based on different techniques
Conformiq Creator	yes some	Custom activity diagrams with import from other tools and output to popular engines	Creator uses a custom modeling language which is based on activity diagrams and a graphical domain specific action language
Conformiq Designer	yes some	UML State diagrams with import from other tools and output to popular engines	Models can be created as UML State Machines and in a custom Modeling Language
Softeam	no	UML and UTP with automation tool scripting	Complete UML/UTP tool set from EU
MBTsuite	no	UML from several tool sets and output to popular engines	MBTsuite can generate test cases from UML models generates to meet various coverage criteria
RT-Tester	yes some	UML/SysML, Matlab and output to popular engines	RT-Tester uses UML/SysML or Matlab models and transforms them to a internal models to create tests
Smartesting CertifyIt	no	UML and output to popular engines	CertifyIt is a complete MBT tool using behavioral models and a large set of coverage criteria
KnowEnterprise	yes	Next chart	
TestCast	no	UML State Machines and output to popular engines	TestCast MBT Edition generates TTCN-3 test cases from UML State Machines
T-VEC	yes	Simulink inputs and outputs to Simulink	T-VEC Tester for Simulink and Stateflow generates test cases based on various structural coverage criteria.

MBT Open Source Tooling – Not Clear if these work with IoT/Embedded

Tool	Experience	Input/Output format	Description
fMBT	no	AAL/Python pre/postcondition language and outputs to associated engines	fMBT (free Model Based Testing) generates test cases based on coverage criteria
GraphWalker	no	FSM and conducts test "walks" guided or random and outputs to associated engines	Test generation from Finite State Machines
OSMO	no	model program in Java & outputs to associated engines	OSMO uses model programs written and annotated in Java, and creates tests by exploring these models
Tcases	no	Custom and outputs Combinatorial data sets	Tcases is a combinatorial testing tool where the inputs of the system could be specified in an XML file

Embedded Test Tool Support

- Klocwork *
- Parasoft *
- Vector *
- eggplant *
- Tessy
- Elvior's TestCast
- QuEST Global
- QA Systems' Cantata *
- Reactive Systems' Reactis
- Abaco Systems' Axis

* Jon Has Some Experience with but is Not a RECOMMENDATION