

**THE MPC500  
FAMILY OF 32-BIT  
EMBEDDED  
CONTROLLERS**


The Freescale MPC500 family of 32-bit embedded controllers is supported by a comprehensive development environment that encompasses advanced hardware and software tools to meet the needs of any developer.

	MPC555	MPC561	MPC562	MPC563	MPC564	MPC565	MPC566	TPU
<b>Metrowerks</b>								
CodeWarrior for PowerPC Embedded Systems	X	X	X	X	X	X	X	
CodeWarrior for OSEK RTOS	X	X	X	X	X	X	X	
CodeWarrior Development Systems	X					X		
OSEKturbo (RTOS)	X	X		X		X		
TPU Low-level Driver Library								X
Flash Programming – CodeWarrior for Embedded PowerPC	X	–	–	X	X	X	X	
Flash Programming – CodeWarrior for OSEK RTOS	X	–	–	X	X	X	X	
<b>WindRiver</b>								
BDM Debugger – SingleStep	X	X		X		X		
BDM Debugger – SingleStep with Vision	X	X		X		X		
Flash Programming – SingleStep	X	–		X		X		
BDM Debugger – VisionCLICK	X	X		X		X		
Nexus Debugger – VisionCLICK		X		X		X		
Nexus Debugger – SingleStep with Vision		X		X		X		
Flash Programming – VisionCLICK	X	–		X		X		
Compiler – DiabData	X	X	X	X	X	X	X	
MATRIXx	X	X		X		X		
Simulator – SingleStep	X	X	X	X	X	X	X	
<b>Lauterbach</b>								
BDM Debugger Trace32	X	X	X	X	X	X	X	X
Nexus Debugger Trace32		X	X	X	X	X	X	X
Code Trace (with Bus access)	X	X	X	X	X	X	X	
Code Trace (Nexus)	X	X	X	X	X	X	X	
<b>Axiom Manufacturing</b>								
Low Cost Evaluation Board	X	X						
Mid-range Evaluation Board	X	X						
Full Feature Evaluation Board	X	X	X	X	X	X	X	
<b>Ashling Microsystems</b>								
BDM Debugger – Opella, Genia, and Vitra	X	X	X	X	X	X	X	
Nexus Debugger – Vitra (w/trace)		X		X		X		X
Nexus Debugger – Opella, Genia		X		X		X		
<b>GreenHills</b>								
IDE, Debugger – Multi	X	X		X		X		
Compiler C/C++/EC++	X	X		X		X		

**For More Information On This Product,  
Go to: [www.freescale.com](http://www.freescale.com)**



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<b>P &amp; E Microsystems</b>							
Low Cost Debugger	X	X		X		X	
Flash Programming Tools	X	-		X		X	
<b>GNU</b>							
Compiler/Debugger	X	X		X		X	
<b>Ashware</b>							
TPU Simulator							X
<b>ETAS</b>							
ErCOSEK	X	X		X		X	
Calibration Tools (ETK)	X	X		X		X	
Calibration Tools (ETK) Nexus	X	X		X		X	
<b>dSPACE</b>							
TargetLink	X	X		X		X	
<b>dli</b>							
Logic Analyzer	X	X		X		X	
<b>Agilent</b>							
Logic Analyzer	X	X		X		X	
Inverse Assembler, Source Correlation	X	X		X		X	
Emulation Probe (BDM)	X	X		X		X	
<b>Tektronix</b>							
Logic Analyzer	X	X		X		X	
<b>Abatron AG</b>							
BDM Support	X	X		X		X	
<b>Accelerated Technologies</b>							
Nucleus (RTOS)	X	X		X		X	