

Development Tools

THE MPC500 FAMILY OF 32-BIT EMBEDDED CONTROLLERS

Freescale Semiconductor, Inc.



The Motorola 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
Metrowerks								
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	
WindRiver								
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	
Lauterbach								
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	
Axiom Manufacturing								
Low Cost Evaluation Board	X	X						
Mid-range Evaluation Board	X	X						
Full Feature Evaluation Board	X	X	X	X	X	X	X	
Ashling Microsystems								
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		
GreenHills								
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**

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



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