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HI-TECH C for PIC18 MCU Family

Part Number: SW500007, SW500008



HI-TECH C compiler for PIC18 MCUs implements the optimizations of Omniscient Code Generation™ (OCG) - a whole-program compilation technology - to provide denser code and better performance for development on PIC18 MCUs.

This ANSI C Compiler available in three operating levels. To compare the optimizations and features of each, please see the table below.

HI-TECH C Compiler for PIC18 MCUs	PRO	Standard	Lite
	(SW500007)	(SW500008)	
PRICING			
Single-User License List Price	\$1195	\$495	Free
Technical Support	High Priority Access* included	High Priority Access* optional	Available
OPTIMIZATIONS			
Omniscient Code Generation™ Optimizations	Maximum	High optimizations levels	Partial
		OCG to be implemented 2009 Q3	
Optimizes the size of each pointer variable in your code based on its usage	Yes	No	Limited
Reduces overhead required for interrupt context switching	Yes	Limited	No
Pointer optimizations based on knowledge of target	Yes	No	No
Automatically allocates objects into optimal locations	Yes	Limited	Limited
Procedural Abstraction optimizations	Yes	No	No
Optimizations for rapid runtime startup and memory clearing	Yes	Yes	No
Printf library code footprint	Compiler eliminates all unused features of printf for smallest footprint	Determined by printf feature set selected by user	Compiler can eliminate some unused printf features
USABILITY/FEATURES			
Supports all PIC18 MCUs	Yes	Yes	Yes
Unlimited Memory Usage	Yes	Yes	Yes
Automatically handles memory banking without requiring special qualifiers	Yes	Yes	Yes
Can identify inconsistent definitions across modules	Yes	Limited	Yes
Automatically analyzes user assembly and object code files	Yes	No	Yes
Eliminates the need for many non -standard C qualifiers and compiler options	Yes	No	Yes
Printf library functionality	Compiler automatically detects and implements printf features required by program	User selects on of three printf feature sets as required by program	Compiler eliminates all unused features of printf for smallest footprint
Fully integrates into MPLAB® IDE	Yes	Yes	Yes
Runs on all platforms: Windows (XP and Vista), Linux and Mac OS X	Yes	Yes	Yes
Get Compiler	Download free fully-functional 45 day evaluation of the HI-TECH C PRO for the PIC18 MCU Family below		
	Buy it Now	Buy it Now	Download and operate in Lite mode below

* High Priority Access (HPA): 12 month subscription web access to new versions, and priority technical support. For information on renewing HPA and Upgrading your HI-TECH C Compiler, please see [www.microchip.com/HPA](#)

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