

MPLAB[®] XC C COMPILERS HIGH PRIORITY ACCESS

MPLAB[®] XC HPA Renewal Instructions

HIGH PRIORITY ACCESS (HPA) OVERVIEW

When you purchase an MPLAB[®] XC C Compiler (Standard or Pro Edition), you receive a year of High Priority Access (HPA) support at no charge. After that, you may purchase HPA in one-year increments. You may purchase HPA at any time; it is not necessary to purchase it continuously.

If your HPA has expired, you are entitled to download all compiler versions that have been released up to the time of the expiration. You can download these at any time.

This table compares compiler features without HPA (after the free one-year period has ended) and with HPA.

Features	Without HPA	With HPA
Compiler License	\checkmark	✓
New Part Support	✓ (with existing features)	✓
Bug Fixes		\checkmark
New Device Features		✓
New Architecture		✓
New Compiler Features		\checkmark
Technical Support	\checkmark	Premium Level

The following table matches the compiler with its corresponding HPA and links them to the product page on Microchip Direct:

Compiler	Part Number	HPA Part Number
MPLAB® XC 8 PRO Workstation	SW006021-2	<u>SW006021-2H</u>
MPLAB® XC 8 Standard Workstation	SW006021-1	<u>SW006021-1H</u>
MPLAB® XC 8 PRO Network Server	SW006021-2N	<u>SW006021-2NH</u>
MPLAB® XC 8 Standard Network Server	SW006021-1N	<u>SW006021-1NH</u>
MPLAB® XC 16 PRO Workstation	SW006022-2	<u>SW006021-2H</u>
MPLAB® XC 16 Standard Workstation	SW006022-1	<u>SW006021-1H</u>
MPLAB® XC 16 PRO Network Server	SW006022-2N	<u>SW006021-2NH</u>
MPLAB® XC 16 Standard Network Server	SW006022-1N	<u>SW006021-1NH</u>
MPLAB® XC 32 PRO Workstation	SW006023-2	<u>SW006021-2H</u>
MPLAB® XC 32 Standard Workstation	SW006023-1	<u>SW006021-1H</u>
MPLAB® XC 32 PRO Network Server	SW006023-2N	<u>SW006021-2NH</u>
MPLAB® XC 32 Standard Network Server	SW006023-1N	<u>SW006021-1NH</u>
MPLAB® XC 32++ PRO Workstation	SW006023-3	Not released yet
MPLAB® XC 32++ PRO Network Server	SW006023-3N	Not released yet

Detailed information on purchasing and activating your MPLAB XC HPA renewal is available on the Microchip web site, at: <u>http://www.microchip.com/hpa</u>.

MPLAB XC COMPILER HPA RENEWAL

HPA renewal has three basic steps:

- 1. Purchase the HPA
- 2. Apply the HPA to the compiler and to the system it's running on
- 3. Download and run the HPA file

An email will remind you when your HPA is due to expire. You can renew HPA at any time prior to, or after, the expiration with no penalties. This makes it simple to get HPA when you need it.

You can purchase HPA renewal through either of these Microchip accounts:

- a Microchip Direct account: https://www.microchipdirect.com/
- a mySoftware account: <u>http://www.microchip.com/mySoftware</u>

The accounts have matching information, so you can use your login and password on either one, regardless of which one you originally registered with.

HPA is a subscription that needs to be associated with a specific MPLAB XC Compiler. In order to do so, a subscription file will be generated using the machine's host ID, downloaded, and installed on that system.

Instructions for a Microchip Direct account:

- 1. Login to your Microchip Direct account.
- 2. Click "My Account" in the upper right, and then the "Software Subscription" link.

FIGURE 1: SOFTWARE SUBSCRIPTIONS

	Welcome, Use Dught to you by MICROCHIP Location: United Stat			User My Account Log C States Language: English
RODUCTS APPLICATIO	NS SERVICES VOLUME P	RICING PROGRAMMING CENTER	SUPPORT	LIVE CHAT
8-bit PIC® Microcontrollers	Search		٩.	CART / CHECKOUT (0)
► 16-bit PIC@MCUs & dsPIC@DSCs	My Account			ET UE
32-bit PIC Microcontrollers	PROFILE MANAGEMENT	ORDER MANAGEMENT	SOFTWARE SUBSCRIPTION	GETUME
	Update Profile	Order Information	Software Subscription	UPGRADE TO A BUSINESS
Analog	Update Shipping Addresses	Change, Cancel or Return Order(s)	2	ACCOUNT
Interface	Change Password	My Premium Support Contracts		EDEE
PC Systems & I/O Controllers	Change Password	my Premium Support Contracts		PROGRAMMED SAMPLES

3. Click the "Renew HPA" link to choose the compiler you are going to associate with the new HPA.

FIGURE 2: RENEW HPA

Software Subscription	
<u>SW006023-2</u> - MPLAB XC32 PRO Compiler (Workstation License)	Purchase Date: 31-Jul-2013
1. SW006023-2	Download License
Click to download	
SW006022-2 - MPLAB XC16 PRO Compiler (Workstation License)	Purchase Date: 31-Jul-2013
1. SW006022-2	Download License
Click to download	
SW006021-2N - MPLAB XC8 PRO Compiler (Network Server License)	Purchase Date: 31-Jul-2013
1. SW006021-2N	Download License
Click to download	Rengw HPA
SW006021-2 - MPLAB XC8 PRO Compiler (Workstation License)	Purchase Date: 30-Jul-2013
1. SW006021-2	Download License
Click to download	Renew HPA
	HPA Ends:30-Jul-2021

- 4. A redirect will take you to the HPA product page that is correct for your compiler.
 - a) Type the number of HPAs to purchase into the "Quantity" box.
 - There is an option to renew multiple years of HPA; each HPA purchased will add another year of HPA to the compiler.
 - b) Click ADD TO CART beside "Quantity".
 - c) Click CART/CHECKOUT at top, right.



Advanced Search Advanced Search Found I markies table Found I markies table Analog Analog <	► 8-bit PIC @ Microcontrollers	Search			S.	CART / CHECKOUT (0)
	16-bit PICEMCUs & dsPICEDSCs	Advanced Search				2
	32-bit PIC Microcontrollers	Found 1 matches total.			items 1 thru 1 displaye	d Volume
• Interface High Priority Access for NPLAB @ XXC PR0 network compliers (HPA) is a 12 month maintenance subscription providing priority technical support, new antihischure support, new antishischure support, new antishischure support	Analog	Part Number SW006021-2N	H - MPLAB XC PRO I	HPA (Network License)		TO A BUSINESS
Hemory Model and Security Model Security	Interface	11	providing: priority!			FREE
Non-Fit Basement Ref and Security Standard Pricing: Analogic • We-Fit Basement Tech Ownring Downloadable version only • Basement Tech Ownring USD per Unit Downloadable version only	PC Systems & IO Controllers	MPLAN NE Complians				SAMPLES
WeFL Bisetects, RF and Security Standard Pricing: Available Development Tools Own/tool Diversion only Standard Pricing:	Henory	and iteration			are always available upon download of the latest revision of n	WITH AN
Development Tools Owarding Oscillation Development Tools PRODUCTS	Wi-Fi, Bhietooth, RF and Security		Standard Pricing	a:	Available	
1* 259.99 GULTER AND TO CARL	Development Tools		Ouantity	USD per Unit 259.99	Request New Oxote =	

- 5. Go through the checkout and payment process.
- 6. After completing the purchase, return to the Microchip Direct account by clicking **VIEW DOWNLOAD INSTRUCTIONS**.

FIGURE 4:	VIEW DOWNLOAD INSTRUCTIONS
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DIRECT brought to you	••••••••••						Location: United S	itates Language: Eng	jiisit
RODUCTS APPLICATIONS S		OLUME PRICING	PROGRAMMING	CENTER SU	PPORT			LIVE	CHAT
Search							9	C CART / CHECKO	OUT (0)
rder Receipt								VIEW PRINTABLE R	ECEIPT
							VIEW		TIONS
Order Placed							Orde	r Detail	
Order No: 4189							Order Status: 0 Baan Order No: 0 Payment Option: 0	02-Aug-2013 Order Accepted Credit Line Purchase Order XC_HPA_Purchase	
hip Address: ed Customer CHP in Chandler	Billing Addre I. M. Here Here of Cour		Shipping Opt FedEx Thaila	ion: nd to USA or US to U	JSA		Outer		
355 West Chandler Blvd	230045 Nort						Device Total:	Summary 99.99	
ttn: Shipping Dep't handler	Chandler Arizona 2450						Shipping:	0.00	
Z 85224 nited States of America	United State:	of America					Handling:	0.00	
							Sales Tax:	7.80	
							Total (U	SD): 107.79	
Product		Request arrival date	Estimated Ship Date	Arrival Date	Unit Price (USD)	Quantity		Total (USD)	
<u>SW006021-1H</u> MPLAB XC Standard HPA (Workstation Lice	nse)		Download	Download	99.99	1			99.9

7. A redirect will take you back to your Microchip Direct account.

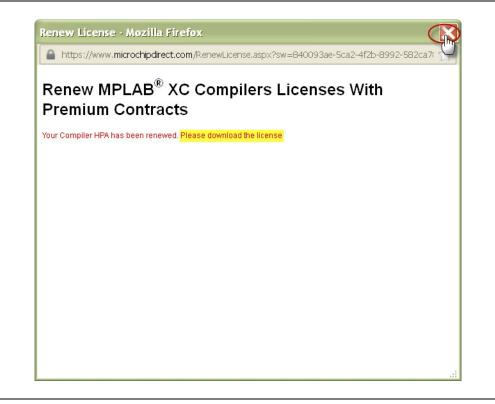
8. After your purchase, the previous "Renew HPA" link now states "Apply HPA". Click "Apply HPA".

FIGURE 5: RENEW HPA

ou hav	re Subscription ve 1 new HPA available to apply to your XC Compilers. Pick 1		GETUME
W00602	23-2 - MPLAB XC32 PRO Compiler (Workstation License)	Purchase Date: 31-Jul-2013	VOLCING
1.	SW006023-2	Download License	
	Click to download		UPGRADE TO A BUSINESS
			ACCOUNT
W00602	22-2 - MPLAB XC16 PRO Compiler (Workstation License)	Purchase Date: 31-Jul-2013	
1.	SW006022-2	Download License	FDEE
	Click to download		PROGRAMMED
W0060:	21-2N - MPLAB XC8 PRO Compiler (Network Server License)	Purchase Date: 31-Jul-2013	SAMPLES
1.	SW006021-2N	Download License	MERICAN
	Click to download	AppinHPA HPATI BE: 31-Jul-2014	ORDER TODAY
W0060	21-2 - MPLAB XC8 PRO Compiler (Workstation License)	Purchase Date: 30-Jul-2013	smsc
1.	SW006021-2	Download Lice	PRODUCTS
	Click to download	Renew HPA	
		HPA Ends:30-Jul-2021	NOW

 A pop-up box appears to confirm the HPA renewal and to remind you to download the subscription file. At this point, the HPA begins; regardless of when you actually download and use the file.

FIGURE 6: RENEWAL CONFIRMATION



10. Close this window.

- 11. Back at the Microchip Direct page, a new HPA expiration date shows that one year has been added to the date that the HPA was applied. If more than one year of HPA was purchased, the new date reflects the number of years purchased.
- 12. Click the "Download License" link to configure the subscription file to the installed compiler machine's host ID.

FIGURE 7: DOWNLOAD LICENSE

	e Subscription /e 1 new HPA available to apply to your XC Compilers. Pick t	he compiler and click the 'Apply' button	/ CHECKOUT (0)
	23-2 - MPLAB XC32 PRO Compiler (Workstation License)	Purchase Date: 31-Jul-2013	6LUME
1.	SW006023-2 Click to download	TO	PGRADE A BUSINESS
W0060	22-2 - MPLAB XC16 PRO Compiler (Workstation License)	Purchase Date: 31-Jul-2013	CCOUNT
1.	SW006022-2 Click to download	Download License	
SW0060	21-2N - MPLAB XC8 PRO Compiler (Network Server License)	Purchase Date: 31-Jul-2013	SAMPLES
1.	SW006021-2N Click to download	Download License Renew HPA Ends: 31-Jul-2014	WITH AN ORDER TODAY
W0060	21-2 - MPLAB XC8 PRO Compiler (Workstation License)	Purchase Date: 30-Jul-2013	smsc
1.	SW006021-2 Click to download	Download License Renew HPA HPA Ends:30-Jul-2021	PRODUCTS

- 13. A pop-up window appears. Configure the subscription file for the system's host ID by doing <u>one</u> of the following:
 - Choose an existing system's host ID (this is a machine with the compiler previously installed on it) and click "Download License".
 - Choose a new machine to install the HPA subscription file on.

In some cases, the compiler may need to be installed on a new system with the new HPA subscription file. This step allows for that option:

- a) Enter the host ID of the new machine.
- b) Click Get XC license.

Workstation licenses can be installed and activated on three (3) host IDs (three systems owned by one user). Network Server licenses can be installed and activated on one.

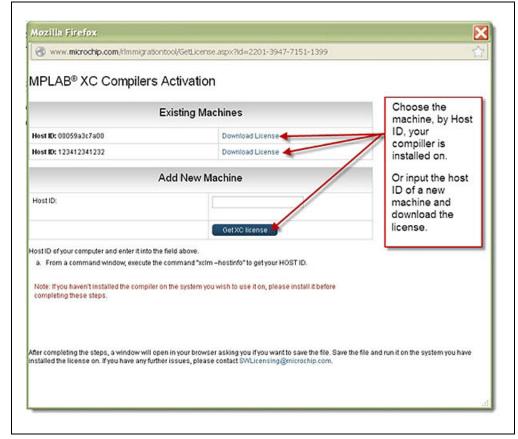


FIGURE 8: COMPILER ACTIVATION

- 14. A second pop-up window opens. Choose one of the following options:
 - Open and run the file if it has been downloaded onto the machine with the associated compiler and host ID.
 - Save the file to install it on the machine with the associated compiler and host ID.

ou have chosen to open:		
🛄 00059a3c7a00.zip		
which is a: WinZip File (3		
from: http://www.micro	chip.com	
What should Firefox do with t	his file?	
Open with WinZip E	xecutable (default)	
 Save File 		
Do this automatically f	for files like this from now on.	
	(RK	Cancel

15. Unzip and run the subscription file in order to install it and access the benefits of HPA. The year of HPA support starts on the date of purchase.

FIGURE 10: ZIP FILE CONTENTS

Organize 👻 Extract all fi	iles)III •	0 0
🔆 Favorites	Name	Туре	Compressed size	Password .
E Desktop	Content_Types].xml	XML Document	1 KB	No
Downloads	E inux.sh	SH File	1 KB	No
SF Dropbox	mac.sh	SH File	1 KB	No
Secent Places	windows.bat	Windows Batch File	1 KB	No

16. After the file is unzipped, there will be three install script windows: windows.bat, linux.sh, and mac.sh. Run the script that is appropriate for your operating system in a Command window (for a Windows operating system) or a Terminal window (for a Mac OS X or Linux) to install the file.

Instructions for a mySoftware account:

- 1. If the compiler was purchased from a distributor, you should have received an activation key. When the activation key is available, login to your mySoftware account at: <u>http://www.microchip.com/mySoftware</u>
 - a) If you do not have a mySoftware or Microchip Direct account, register for an account in order to configure and download the HPA license.



- mySoftware account. If it is not, manually add the compiler serial number and activation key into the account.
- 2. If the compiler was purchased from Microchip Direct, the compiler information should already be in the account upon login.
- 3. The HPA license needs to be associated with a particular compiler. Click on **Renew** for the compiler to associate the new HPA with.

FIGURE 11: RENEW HPA

V MICROCH				Search Data Sheets	
RODUCTS APPLIC	ATIONS DESIGN SUPPORT T	RAINING SAMPLE & BUY	ABOUTUS	Contact Us myMicrochip	Login
XC Migration	Welcome,			[Signout, My	Account
Register MPLAB C Compilers	Software Downloads				
SW Downloads and Keys	SW006021-2 - MPLAB XC8 PRO Compile	r (Workstation License)		Purchase Date: 18	Lui 2013
	HPA Ends: Jul 18 2014 SW006021-2 - Click to download HPA Ends: Jul 18 2014	Rene	load License		
	SW006022-1N - MPLAB XC16 Standard (License) SW006022-1N - Click to download	Rene	w Ioad License	Purchase Date: 07-	Aug-2012

- 4. A redirect will occur to the correct HPA product page for the compiler on Microchip Direct.
 - Type the number of HPAs to purchase into the "Quantity" box. There is an option to renew multiple years of HPA; each HPA purchased will add another year of HPA to the compiler.
 - b) Click ADD TO CART beside "Quantity".
 - c) Click CART/CHECKOUT at top, right.

FIGURE 12: NUMBER OF HPAs

▶ 8-bit PIC € Microcontrollers	Search			q	CART / CHECKOUT (0)
• 16-bit PICeMCUs & dsPICeDSCs	Advanced Search				2
► 32-bit PIC Microcontrollers	Found 1 matches total.			items 1 th	ru 1 displayed.
► Andeg	Part Number SW006021-2NH	- MPLAB XC PR0	HPA (Network License)		
► Interface	11			isk compilers (HPA) is a 12 month maintenance su ture support and new compiler versions for MPLA	ubscription
PC Systems & IO Controllers	AMPLARY NE Compilers			2 months of High Priority Access (HPA), and support renewed in twelve month increments at any time.	
► Hemory	send the first series	New part suppo compiler downk		are always available upon download of the latest	revision of new
Wi-Fi, Bluetooth, RF and Security		Standard Price	ng	Available	
 Development Tools 		Osantity 1+	USD per Unit 259.99	Downloadable version only Request New Courts = Guarters ACC 1	
Discount Parts				Cardinals.	Now

- 5. Go through the checkout and payment process.
- 6. After completing the order, return to the mySoftware account to configure the new subscription file. Click on the **Software Downloads** tab in your browser for the MySoftware account.

FIGURE 13: SOFTWARE DOWNLOADS

Software Subscription	Software Downloads	Welcome to microchipDIREC	T × WMPLAB® XC	Compilers - Compiler Mi
ep005.aspx?orderID=75df90da-7ea9-483e-9	9381-8957abeb5b82&sendingPageTy	pe=CheckoutStep1	☆ マ C	8 - Google
i https://www.cashierliv 🚻 Pages - MCHF	PCalenda 🐠 Microchip's VPN Port	al \infty Microchip Technology \infty microchipDIREC	T 🐠 Backlog Metric Report 🗌 Kro	nos Workforce 🗌 Mik
nicrochip			Welcome, Purush Kothandapa	ni My Account Log Ou
	<u>Т Міскоснір</u>		Location: United States	.anguage: English 🔽
RODUCTS APPLICATIONS SEF	RVICES VOLUME PRICING	PROGRAMMING CENTER SUPPORT		LIVE CHAT
Search			S (1	CART / CHECKOUT (0)
rder Receipt			VIEV	V PRINTABLE RECEIPT
Order Placed			VIEW DOWN	ILOAD INSTRUCTIONS >
			Order Deta	1
Order No: 419910			Order Date: 08-Aug-2 Order Status: Order Acc Baan Order No: Payment Option: Order:12	epted e Purchase
hip Address:	Billing Address:	Shipping Option:	Order Summa	
CHP in Chandler		FedEx Thailand to USA or US to USA	Device Total: Shipping:	119.99 0.00
355 West Chandler Blvd			Handling:	0.00
handler Z 85224			Sales Tax:	9.36
nited States of America			Total (USD): 129	9.35

- 7. Refresh the mySoftware page in the browser to show the purchased HPA.
- 8. A statement will appear at the top of the account, showing the HPAs available to apply to the compilers.
- 9. Click **Apply HPA** for the compiler to associate it with. The HPA license will be now be configured for this compiler.

🔨 Міскосі	1IP	English		Search Microchip Contraction Search Data Sheets
PRODUCTS APPL	CATIONS DESIGN SUPPORT TRAINING SAM	MPLE & BUY	ABOUTUS	
XC Migration	Welcome, bill oliphant			myMicrophip.3.4;tiky Account]
Register MPLAB C Compilers	Software Downloads			
SW Downloads and Keys	You have 2 New HPA available to apply to your XC Compiler	s. Pick the comip	ler and click the	Apply button
Your Account	SW006021-2 - MPLAB XC8 PRO Compiler (Workstation License)			Purchase Date: 18-Jul-2013
	SW006021-2 - Click to download	Apply HPA Downoad	License	
	SW006021-2 - Click to download HPA Ends: Jul 18 2021	Apply HPA Download I	Jcense)	
	SW006022-1N - MPLAB XC16 Standard Compiler (Network Server License)	r		Purchase Date: 07-Aug-2012
	SW006022-1N - Click to download	Apply HPA Download	License	

FIGURE 14: APPLY HPA

10. A pop-up box appears to confirm the HPA renewal and to remind you to download the subscription file.

At this point, the HPA begins, regardless of when you actually download and use the file.



11. Close this window.

- 12. A new HPA expiration date appears, showing that one year has been added to the date that the HPA was applied. If more than one year of HPA was purchased, the new date reflects the number of years purchased.
- 13. Click **Download License** to configure the subscription file to the installed compiler machine's host ID.

🔨 Міскосі		ish 💟	Search Microchip	(
•			Search Data Sheets	(
PRODUCTS APPL	ICATIONS DESIGN SUPPORT TRAINING SAMPLE 8	BUY ABOUT US	S Contact Us	
XC Migration	Welcome, bill oliphant		myMicrophind.epiny Account	nit)
Register MPLAB C Compilers	Software Downloads			
SW Downloads and Keys	You have 1 New HPA available to apply to your XC Compilers. Pick th	he comipler and click th	e 'Apply' button	
Your Account	SW006021-2 - MPLAB XC8 PRO Compiler (Workstation License)		Purchase Date: 18-Jul-20	013
	1994 Ends: 348 18 2019	enew lownicad License		
	HPA ENds: Jul 16 2021	enew		
	SW006022-1N - MPLAB XC16 Standard Compiler (Network Server License)		Purchase Date: 07-Aug-20	012
		pply HPA		

DS50002208A-page 16

FIGURE 16:

DOWNLOAD LICENSE

- 14. A pop-up window will appear. Configure the subscription file for the systems host ID. Choose from <u>one</u> of the following options:
 - Choose an existing system's host ID (this is a machine with the compiler previously installed on it) and click "Download License".
 - Choose a new machine to install the HPA license on.

In some cases, the compiler may need to be installed on a new system with the new HPA subscription file. This step allows that option.

- a) Enter the host ID of the new machine
- b) Click Get XC license.

Workstation licenses can be installed and activated on three (3) host IDs (three systems owned by one user). Network Server licenses can be configured on one.

FIGURE 17: COMPILER ACTIVATION

	Existing Machines	Choose the machine, by Hos
Host ID: 00059a3c7a00	Download License	ID, your compiller is
Host ID: 123412341232	Download Litense	installed on.
	Add New Machine	Or input the host
Host ID:		machine and
	GetXC license	download the license.
lost ID of your computer and enter it into the	e field above.	
a. From a command window, execute the	e command "xcim -hostinfo" to get your HOST ID.	
	on the system you wish to use it on, please install it be	fore
completing these steps.		

- 15. A second pop-up window will open. Choose one of the following options:
 - Open and run the file if already on the machine with the associated compiler and host ID.
 - Save the file to install it on the machine with the associated compiler and host ID.

FIGURE 18: UNZIP COMPILER FILES

You have chosen to	open:	
📜 00059a3c7a	00.zip	
	nZip File (3.6 KB)	
	www.microchip.com	
What should Firefo	k do with this file?	
Open with	WinZip Executable (default)	•
 Save File 		
Do this auto	omatically for files like this from now on.	
		Cancel
		Cancel

16. **Unzip and run the file in order to install it and access the benefits of HPA.** The year of HPA support starts on the date of purchase.

FIGURE 19: ZIP FILE CONTENTS

	nternet Files	Content.IE5 9HKOCDIU	2c41389ff2bf[1].zip •	4 Search 2c41389ff2bf[]]_zip 🖇
Organize 👻 Extract all file	5			8= •	0
🔆 Favorites	^	Name	Туре	Compressed size	Password
E Desktop		[Content_Types].xml	XML Document	1 KB	No
Downloads	8	inux.sh	SH File	1 KB	No
SP Dropbox		mac.sh	SH File	1 KB	No
E Recent Places		windows.bat	Windows Batch File	1 KB	No

17. After the file is unzipped, there will be three install script windows: windows.bat, linux.sh, and mac.sh. Run the script that is appropriate for your operating system in a Command window (for a Windows operating system) or a Terminal window (for a Mac OS X or Linux) to install the file.

NOTES:

Note the following details of the code protection feature on Microchip devices:

- Microchip products meet the specification contained in their particular Microchip Data Sheet.
- Microchip believes that its family of products is one of the most secure families of its kind on the market today, when used in the intended manner and under normal conditions.
- There are dishonest and possibly illegal methods used to breach the code protection feature. All of these methods, to our knowledge, require using the Microchip products in a manner outside the operating specifications contained in Microchip's Data Sheets. Most likely, the person doing so is engaged in theft of intellectual property.
- Microchip is willing to work with the customer who is concerned about the integrity of their code.
- Neither Microchip nor any other semiconductor manufacturer can guarantee the security of their code. Code protection does not mean that we are guaranteeing the product as "unbreakable."

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Microchip received ISO/TS-16949:2009 certification for its worldwide headquarters, design and wafer fabrication facilities in Chandler and Tempe, Arizona; Gresham, Oregon and design centers in California and India. The Company's quality system processes and procedures are for its PIC® MCUs and dsPIC® DSCs, KEELOQ® code hopping devices, Serial EEPROMs, microperipherals, nonvolatile memory and analog products. In addition, Microchip's quality system for the design and mulfacture of development systems is ISO 9001:2000 certified.



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