



# Product Discontinuation Notice

XCN07022 (v1.0.2) July 28, 2008

## Overview

The purpose of this notification is to communicate that Xilinx is discontinuing certain Spartan®, XC4000XL, CoolRunner™, and Programming Solution products.

## Description

As part of Xilinx regular product pruning activities, the following Spartan (Table 1), XC4000XL (Table 2), CoolRunner (Table 3), CoolRunner XPLA3 (Table 4), and Programming Solution (Table 5 and Table 7) products have been identified for obsolescence. This notice should be used in conjunction with previous discontinuance notices which can be found at <http://www.xilinx.com>.

## Products Affected

Products affected include all SCDs associated with the part numbers listed in this notice.

Table 1: Spartan-3 Products Affected

Part Number	Replacement Part
XC3S4000-4FG1156C	XC3S4000-4FG900C XC2V4000-4FF1152C
XC3S4000-4FGG1156C	XC3S4000-4FGG900C XC2V4000-4FFG1152C
XC3S4000-4FG1156I	XC3S4000-4FG900I XC2V4000-4FF1152I
XC3S4000-4FGG1156I	XC3S4000-4FGG900I XC2V4000-4FFG1152I
XC3S4000-5FG1156C	XC3S4000-5FG900C XC2V4000-5FF1152C
XC3S4000-5FGG1156C	XC3S4000-5FGG900C XC2V4000-5FFG1152C

Part Number	Replacement Part
XC3S5000-4FG1156C	XC3S5000-4FG900C XC2V6000-4FF1152C
XC3S5000-4FGG1156C	XC3S5000-4FGG900C XC2V6000-4FFG1152C
XC3S5000-4FG1156I	XC3S5000-4FG900I XC2V6000-4FF1152I
XC3S5000-4FGG1156I	XC3S5000-4FGG900I XC2V6000-4FFG1152I
XC3S5000-5FG1156C	XC3S5000-5FG900C XC2V6000-5FF1152C
XC3S5000-5FGG1156C	XC3S5000-5FGG900C XC2V6000-5FFG1152C

Table 2: XC4000XL Products Affected

Part Number	Replacement Part
XC4010XL-09TQ176C	No replacement
XC4010XL-1TQ176C	No replacement
XC4010XL-1TQ176I	No replacement

Part Number	Replacement Part
XC4010XL-2TQ176C	No replacement
XC4010XL-2TQ176I	No replacement
XC4010XL-3TQ176C	No replacement
XC4010XL-3TQ176I	No replacement

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Table 3: CoolRunner Products Affected

Part Number	Replacement Part
XC2C32A-4PC44C	XC2C32A-4VQ44C
XC2C32A-4PCG44C	XC2C32A-4VQG44C
XC2C32A-6PC44C	XC2C32A-6VQ44C
XC2C32A-6PC44I	XC2C32A-6VQ44I
XC2C32A-6PCG44C	XC2C32A-6VQG44C
XC2C32A-6PCG44I	XC2C32A-6VQG44I
XC2C64A-5PC44C	XC2C64A-5VQ44C
XC2C64A-5PCG44C	XC2C64A-5VQG44C
XC2C64A-7PC44C	XC2C64A-7VQ44C
XC2C64A-7PC44I	XC2C64A-7VQ44I
XC2C64A-7PCG44C	XC2C64A-7VQG44C
XC2C64A-7PCG44I	XC2C64A-7VQG44I

Part Number	Replacement Part
XCR3032XL-10PC44C	XCR3032XL-10VQ44C
XCR3032XL-10PC44I	XCR3032XL-10VQ44I
XCR3032XL-10PCG44C	XCR3032XL-10VQG44C
XCR3032XL-10PCG44I	XCR3032XL-10VQG44I
XCR3032XL-5PC44C	XCR3032XL-5VQ44C
XCR3032XL-5PCG44C	XCR3032XL-5VQG44C
XCR3032XL-7PC44C	XCR3032XL-7VQ44C
XCR3032XL-7PC44I	XCR3032XL-7VQ44I
XCR3032XL-7PCG44C	XCR3032XL-7VQG44C
XCR3032XL-7PCG44I	XCR3032XL-7VQG44I
XCR3064XL-10PC44C	XCR3064XL-10VQ44C
XCR3064XL-10PC44I	XCR3064XL-10VQ44I
XCR3064XL-10PCG44C	XCR3064XL-10VQG44C
XCR3064XL-10PCG44I	XCR3064XL-10VQG44I
XCR3064XL-6PC44C	XCR3064XL-6VQ44C
XCR3064XL-6PCG44C	XCR3064XL-6VQG44C
XCR3064XL-7PC44C	XCR3064XL-7VQ44C
XCR3064XL-7PC44I	XCR3064XL-7VQ44I
XCR3064XL-7PCG44C	XCR3064XL-7VQG44C
XCR3064XL-7PCG44I	XCR3064XL-7VQG44I

Table 4: Automotive Family Products Affected

Family	Part Number	Replacement Part
CoolRunner XPLA3	XCR3032XL-10VQ44Q	No replacement
	XCR3032XL-10VQ44Q0789	No replacement
	XCR3512XL-12PQ208Q	No replacement

## HW-130 Desktop Programmer and Adapter Family

The legacy HW-130 Desktop Programmer and its associated Adapters provided standalone (not In-System) desktop prototype programming for Xilinx XCR3000XL and XC9500/XL/XV CPLDs; and XC1700 and XC18V00 PROMs. All HW-130 Desktop Programmer products and HW-130 Adapters are being discontinued and customers are requested to use the more recently introduced third-party programming solutions and Xilinx In-System Programming (ISP) Solutions.

### Replacement Products

For standalone desktop programming, third-party programming products are now available for all device packages previously supported by the HW-130 Desktop Programmer; a summary is provided below. For additional information, please see [http://www.xilinx.com/support/programr/dev\\_sup.htm](http://www.xilinx.com/support/programr/dev_sup.htm), or contact the third-party vendor directly.

Note that for ISP, Xilinx provides the market leading “Platform Cable USB” HW-USB-G and “Parallel IV Cable” HW-PC4 products for Xilinx Platform Flash and XC18V PROMs, as well as Xilinx CoolRunner-II, CoolRunner XPLA3, XC95000XV, XC9500XL, and XC9500 CPLDs.

Please see [http://www.Xilinx.com/products/silicon\\_solutions/proms/resources/](http://www.Xilinx.com/products/silicon_solutions/proms/resources/) for more information on these new and more advanced desktop programming products.

**Table 5: HW-130 Products Affected**

Part Number	Part Number
HW-130-EC	HW-133-VQ44
HW-130-J	HW-133-VQ64
HW-130-UK	HW-136-CP56
HW-130-USA	HW-136-CS144
HW-130-CAL	HW-136-CS280
HW-133-BG256	HW-136-CS48
HW-133-BG352	HW-136-FG324
HW-133-CS144	HW-136-FT256
HW-133-CS280	HW-136-PC44
HW-133-CS48	HW-136-PQ208
HW-133-FG256	HW-136-TQ144
HW-133-HQ208	HW-136-VQ100
HW-133-PC44	HW-136-VQ44
HW-133-PC84	HW-137-DIP8
HW-133-PQ100	HW-137-PC20/SO20
HW-133-PQ160	HW-137-PC20/SO8
HW-133-TQ100	HW-137-SO20
HW-133-TQ144	HW-137-PC44/VQ44

**Table 6: Third-Party Replacement Options**

Manufacturer	Model	Contact
<b>Data I/O Corporation</b>	Plus48 Optima FlashPak	URL: <a href="http://www.data-io.com">www.data-io.com</a> FTP: <a href="ftp://data-io.com">ftp://data-io.com</a> Email: <a href="mailto:techhelp@data-io.com">techhelp@data-io.com</a>
<b>BPM Microsystems Inc.</b>	BP1410-84	URL: <a href="http://www.bpmmicro.com">www.bpmmicro.com</a> Email: <a href="mailto:tech@bpmmicro.com">tech@bpmmicro.com</a>
<b>ELNEC spol. s.r.o.</b>	BeeProg+	URL: <a href="http://www.elnec.com">www.elnec.com</a> Email: <a href="mailto:elnec@elnec.com">elnec@elnec.com</a>
<b>Hi-Lo Systems Research Co. Ltd.</b>	ALL-100	URL: <a href="http://www.hilosystems.com">www.hilosystems.com</a> Email: <a href="mailto:hilosale@hilosystems.com.tw">hilosale@hilosystems.com.tw</a>
<b>System General Corporation</b>	T9600	URL: <a href="http://www.sg.com.tw">www.sg.com.tw</a> Email: <a href="mailto:sales@sg.com.tw">sales@sg.com.tw</a>

## HW-MultiPRO Desktop Programming Tool and Adapter Family

The legacy MultiPRO Desktop Programming Tool and its associated Adapters provided standalone desktop prototype programming support and ISP for Xilinx FPGAs, CPLDs, and PROMs. All MultiPRO Desktop Programming products and Adapters are being discontinued and customers are requested to use the more recently introduced third-party programming solutions and Xilinx ISP Solutions.

### Replacement Products

For standalone desktop programming, third-party programming products are now available as described below. Please see [http://www.Xilinx.com/support/programr/dev\\_sup.htm](http://www.Xilinx.com/support/programr/dev_sup.htm), or contact the third-party vendor directly for more information.

For ISP, Xilinx also provides the market leading “Platform Cable USB” HW-USB-G and “Parallel IV Cable” HW-PC4 products that enable direct ISP for Xilinx Platform Flash and XC18V PROMs, as well as Xilinx CoolRunner-II, CoolRunner, XPLA3, XC9500XV, XC9500XL, and XC9500 CPLDs. For more information on these more advanced desktop programming products, see [http://www.Xilinx.com/products/silicon\\_solutions/proms/resources/](http://www.Xilinx.com/products/silicon_solutions/proms/resources/).

Note that the SelectMAP ISP mode that was available in the MultiPRO is not supported by the Xilinx Platform Cable USB, Parallel Cable IV, or third-party programming solutions.

Table 7: HW-MultiPRO Products Affected

Part Number	Part Number
HW-MULTIPRO	HW-MP-PQ208
HW-MULTIPRO-EC	HW-MP-QF32
HW-MULTIPRO-UK	HW-MP-QF48
HW-MP-CP132	HW-MP-SO20
HW-MP-CP56	HW-MP-TQ144
HW-MP-FG324	HW-MP-VO20
HW-MP-FS48	HW-MP-VO48
HW-MP-FT256	HW-MP-VQ100
HW-MP-PC20	HW-MP-VQ44-1
HW-MP-PC44-1	HW-MP-VQ44-2
HW-MP-PC44-2	

Table 8: Third-Party Replacement Options

Manufacturer	Model	Contact
Data I/O Corporation	Plus48 Optima FlashPak	URL: <a href="http://www.data-io.com">www.data-io.com</a> FTP: <a href="ftp://ftp.data-io.com">ftp.data-io.com</a> Email: <a href="mailto:techhelp@data-io.com">techhelp@data-io.com</a>
BPM Microsystems Inc.	BP1410-84	URL: <a href="http://www.bpmmicro.com">www.bpmmicro.com</a> Email: <a href="mailto:tech@bpmmicro.com">tech@bpmmicro.com</a>
ELNEC spol. s.r.o.	BeeProg+	URL: <a href="http://www.elnec.com">www.elnec.com</a> Email: <a href="mailto:elnec@elnec.com">elnec@elnec.com</a>
Hi-Lo Systems Research Co. Ltd.	ALL-100	URL: <a href="http://www.hilosystems.com">www.hilosystems.com</a> Email: <a href="mailto:hilosale@hilosystems.com.tw">hilosale@hilosystems.com.tw</a>
System General Corporation	T9600	URL: <a href="http://www.sg.com.tw">www.sg.com.tw</a> Email: <a href="mailto:sales@sg.com.tw">sales@sg.com.tw</a>

## Key Dates and Ordering Information

### CoolRunner, Spartan, XC4000XL, and Automotive Products

Final orders are accepted until November 1, 2008.

Final deliveries must occur on or before, May 1, 2009.

### Programming Solution Products

Final orders are accepted until April 1, 2008.

Final deliveries must occur on or before, May 1, 2008.

## Response

**Note:** In accordance with JESD46-C, this change is deemed accepted if no acknowledgement has been received within 30 days from this notification.

No response is required by this notice. For additional information or questions, please contact [Xilinx Technical Support](#).

**Important Notice:** Xilinx Customer Notifications (XCNs, XDNs, and Quality Alerts) can be delivered via e-mail alerts sent by the MySupport website (<http://www.xilinx.com/support>). Register today and personalize your “MyAlerts” area to include Customer Notifications. This change provides many benefits, including the ability to receive alerts for new and updated information about specific products, as well as alerts for other publications such as data sheets, errata, application notes, etc. For information on how to sign up, refer to Xilinx [Answer Record 18683](#).

## Revision History

The following table shows the revision history for this document.

Date	Version	Revision
12/03/07	1.0	Initial release.
12/13/07	1.0.1	Added associated SCD statement in <a href="#">Products Affected</a> section. Corrected typo on Replacement Parts in <a href="#">Table 1</a> ; FF1156 to FF1152. Added Customer 30-day period note to <a href="#">Response</a> section.
7/28/08	1.0.2	Corrected typo in <a href="#">Table 1</a> title; changed to "Spartan-3" Products Affected.