



Actel SmartDesign MSS Timer Configuration User Guide

[Home](#) » [Actel](#) » Actel SmartDesign MSS Timer Configuration User Guide 

Contents

- [1 Actel SmartDesign MSS Timer Configuration](#)
- [2 Configuration Options](#)
- [3 Product Support](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)
- [5 Related Posts](#)



Actel SmartDesign MSS Timer Configuration

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Configuration Options

The SmartFusion Microcontroller Subsystem (MSS) provides two programmable 32-bit decrementing counters that generate interrupts to the ARM Cortex-M3 and FPGA fabric. Each counter has two possible modes of operation: Periodic mode and One-shot mode. The two timers can be concatenated to create a 64-bit timer with Periodic and One-Shot modes.

The actual behavior of the SmartFusion MSS Timer instances must be defined at the application level using the SmartFusion MSS Timer Driver provided by Actel.

For more details about the MSS Timer hard peripheral, please refer to the Actel SmartFusion Microcontroller Subsystem User's Guide.

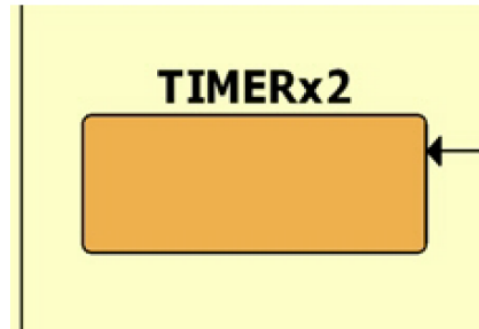


Figure 1 · Timer Instance in SmartDesign for SmartFusion

Port Description

There are no ports for the Timer in the SmartDesign MSS Configurator.

Product Support

Actel backs its products with various support services including Customer Service, a Customer Technical Support Center, a web site, an FTP site, electronic mail, and worldwide sales offices. This appendix contains information about contacting Actel and using these support services.

Customer Service

- Contact Customer Service for non-technical product support, such as product pricing, product upgrades, update information, order status, and authorization.
- From Northeast and North Central U.S.A., call 650.318.4480
- From Southeast and Southwest U.S.A., call 650.318.4480
- From South Central U.S.A., call 650.318.4434
- From Northwest U.S.A., call 650.318.4434
- From Canada, call 650.318.4480
- From Europe, call 650.318.4252 or +44 (0) 1276 401 500
- From Japan, call 650.318.4743
- From the rest of the world, call 650.318.4743
- Fax, from anywhere in the world 650.318.8044

Actel Customer Technical Support Center

Actel staffs its Customer Technical Support Center with highly skilled engineers who can help answer your hardware, software, and design questions. The Customer Technical Support Center spends a great deal of time creating application notes and answers to FAQs. So, before you contact us, please visit our online resources. It is

very likely we have already answered your questions.

Actel Technical Support

Visit the Actel Customer Support website (www.actel.com/support/search/default.aspx) for more information and support. Many answers available on the searchable web resource include diagrams, illustrations, and links to other resources on the Actel web site.

Website

You can browse a variety of technical and non-technical information on Actel's home page, at www.actel.com

Contacting the Customer Technical Support Center

Highly skilled engineers staff the Technical Support Center from 7:00 A.M. to 6:00 P.M., Pacific Time, Monday through Friday. Several ways of contacting the Center follow:

Email

You can communicate your technical questions to our email address and receive answers back by email, fax, or phone. Also, if you have design problems, you can email your design files to receive assistance. We constantly monitor the email account throughout the day. When sending your request to us, please be sure to include your full name, company name, and your contact information for efficient processing of your request.

The technical support email address is tech@actel.com

Phone

Our Technical Support Center answers all calls. The center retrieves information, such as your name, company name, phone number and your question, and then issues a case number. The Center then forwards the information to a queue where the first available application engineer receives the data and returns your call. The phone hours are from 7:00 A.M. to 6:00 P.M., Pacific Time, Monday through Friday. The Technical Support numbers are:

650.318.4460
800.262.1060

Customers needing assistance outside the US time zones can either contact technical support via email (tech@actel.com) or contact a local sales office. Sales office listings can be found at www.actel.com/company/contact/default.aspx

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Documents / Resources

	<p>Actel SmartDesign MSS Timer Configuration [pdf] User Guide SmartDesign MSS, Timer Configuration, SmartDesign MSS Timer Configuration, Configuration</p>
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References

- [FPGAs and PLDs | Microchip Technology](#)
- [actel.com.cn](#)
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