

SmartDesign MSS

Timer Configuration



Actel Corporation, Mountain View, CA 94043

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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.

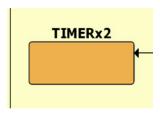


Figure 1 · Timer Instance in SmartDesign for SmartFusion

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.

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From Northeast and North Central U.S.A., call 650.318.4480

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From South Central U.S.A., call 650.318.4434

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Actel Customer Technical Support Center

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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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Actel Corporation • 2061 Stierlin Court • Mountain View, CA 94043 • USA

Phone 650.318.4200 • Fax 650.318.4600 • Customer Service: 650.318.1010 • Customer Applications Center: 800.262.1060

Actel Europe Ltd. • River Court, Meadows Business Park • Station Approach, Blackwater • Camberley Surrey GU17 9AB • United Kingdom Phone +44 (0) 1276 609 300 • Fax +44 (0) 1276 607 540

Actel Japan • EXOS Ebisu Building 4F • 1-24-14 Ebisu Shibuya-ku • Tokyo 150 • Japan

Phone +81.03.3445.7671 • Fax +81.03.3445.7668 • http://jp.actel.com

Actel Hong Kong • Room 2107, China Resources Building • 26 Harbour Road • Wanchai • Hong Kong

Phone +852 2185 6460 • Fax +852 2185 6488 • www.actel.com.cn