

## SurfRider/AMC-EVM

*Reduce development expenses and optimize resources with Surf's AMC-based EVM unit.*

### Main Features

- ◆ Stand-alone desktop unit simulating ATCA and MicroTCA chassis for resource-efficient telecom development environment
- ◆ Full DSP control & monitoring over GBit Ethernet connection for reduced application development and testing time
- ◆ Includes AMC resource board populated with two TI TMS320C6412 720 MHz DSPs\*
  - Simultaneous audio, video, fax and modem processing supported
  - Modular SurfDock™ design allows DSP experimentation
- ◆ Optional JTAG attachment for debugging
- ◆ Internal power supply
- ◆ Documentation and technical support



### Solution Overview

The SurfRider/AMC-EVM is a complete application development environment comprising an AMC resource board carrying two TI TMS320C6412 DSPs. It enables developers of telecom applications to develop, debug and experiment with different DSP types and network interfaces - from their desktop, without requiring an ATCA or MicroTCA carrier board chassis in their development environment.



*SurfRider/AMC-EVM: rear view.*

The SurfRider/AMC-EVM includes the [SurfRider/AMC](#), a fully-integrated RoHS-compliant AMC DSP resource board. The patent-pending design of the SurfRider/AMC features the SurfDock™, a modular plug-in that carries pairs of mixed types of DSPs and supports a variety of configurations to meet development requirements. Up to 4 SurfDock modules can be plugged into a single SurfRider/AMC, for a total of 8 DSPs per AMC board.

\* Additional and/or other types of TI TMS320C64x DSPs available upon request

### Flexibility is the Name of the Game

Aside from the convenience of working from your desktop, and the economy of using an evaluation module instead of a telecom carrier board chassis, you will enjoy the fact that this AMC-based solution is so flexible that the same resource board can be used for all stages in the development cycle, from prototype through final production. The built-in flexibility of the SurfRider/AMC allows you to start designing your system without committing to:

- ◆ the specific serial interfaces (such as AMC.1,2,3,4) to be used in the final AMC solution
- ◆ the specific type of DSPs to be used in the final system
- ◆ the number of DSPs per board needed to achieve the required channel density
- ◆ the types of DSPs to be integrated on the same board simultaneously

### Pre-integrated for Reduced Time-to-Market

The SurfRider/AMC featured in the SurfRider/AMC-EVM supports the standards-based PICMG® SFP I-TDM protocol over Gigabit Ethernet for transporting audio, video, fax and modem traffic. It has been pre-integrated with a number of leading carrier manufacturers' products and can be mounted on various platforms, such as ATCA and MicroTCA.

### About Surf Communication Solutions®

SURF Communication Solutions develops a suite of hardware and software products that drives a wide variety of applications whose common goal is high-capacity propagation of voice and video. These applications are predominantly developed by media gateway, media server and IMS equipment manufacturers in the telecommunication infrastructure field.

The Surf media processing engine is available in a variety of integration levels, such as AMC, PTMC and PCI form factor resource boards or DSP chips, which are pre-integrated with leading ATCA, MicroTCA and cPCI carrier boards and blades.

By utilizing the capabilities and flexibility of Surf's media processing engine, customers can significantly reduce time-to-market while supporting market demands for true convergence of all media types: audio/voice, video, and data (fax/modem), over all networks: IP, mobile, wireline, and wireless - all on a single DSP.

### US Toll-Free Tel: (866) 644-3379

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