Evaluation Pack

Blue Wave Systems Inc. launched the FACT Evaluation pack, a complete and cost-effective eXpressDSP-based algorithm evaluation environment. This new ComStruct building block will enable developers to easily evaluate and integrate algorithms adhering to the TMS320 DSP Algorithm Standard, providing a fast-track solution for creating next-generation telecom applications. FACT Evaluation pack is available immediately, comprising a high performance ComStruct DSP resource board, FACT management framework, integrated quad E1 or T1 interfacing and eXpressDSP-compliant algorithms.

Fact is a software environment that provides a layer of abstraction between the developer and the DSP-based resources, which enables the development of multi-channel telecom applications without the need to write DSP code. Express Real-Time Software Technology from Texas Instruments (TI) simplifies and streamlines the DSP development process, enabling developers to take advantage of interoperable software from multiple vendors.

FACT Evaluation Pack contains the following hardware and software elements required to provide a fast-track development and evaluation path with Blue Wave's FACT integrated subsystem development and management environment, and components of the TI eXpressDSP software initiative: ComStruct PCI/C6400 communications processing platform based around four devices from TI's C6200 DSP platform and H. 100 standard interface for the telecom applications, a PMC based quad E1/T1 interface is also included in the package, FACT integrated subsystem development and management software environment that incorporates APIs to enable developers to control operation from the host application, standard eXpressDSP-compliant DTMF that are able to detect and generate algorithms, a FACT-RDK Resource Developers Kit that enables development and integration of eXpressDSP-compliant third party algorithms into a FACT application. Also included are the code development tools such as the TI ANSI C compiler, C assembler/linker/simulator and the Code Composer Studio Integrated Development Environment, which slashes overall DSP coding time and eliminates many real-time problems in less time.

Blue Wave Systems' Construct is a set of modular and scalable communications processing building blocks that include hardware, software, and DSP resources. ComStruct enables telecom infrastructure equipment manufacturers to develop, test and deploy carrier-class wireless and wireline technology for applications ranging from 3G wireless to Voice over IP.

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