

Caribou Board

Flexible Industrial Communication and Control



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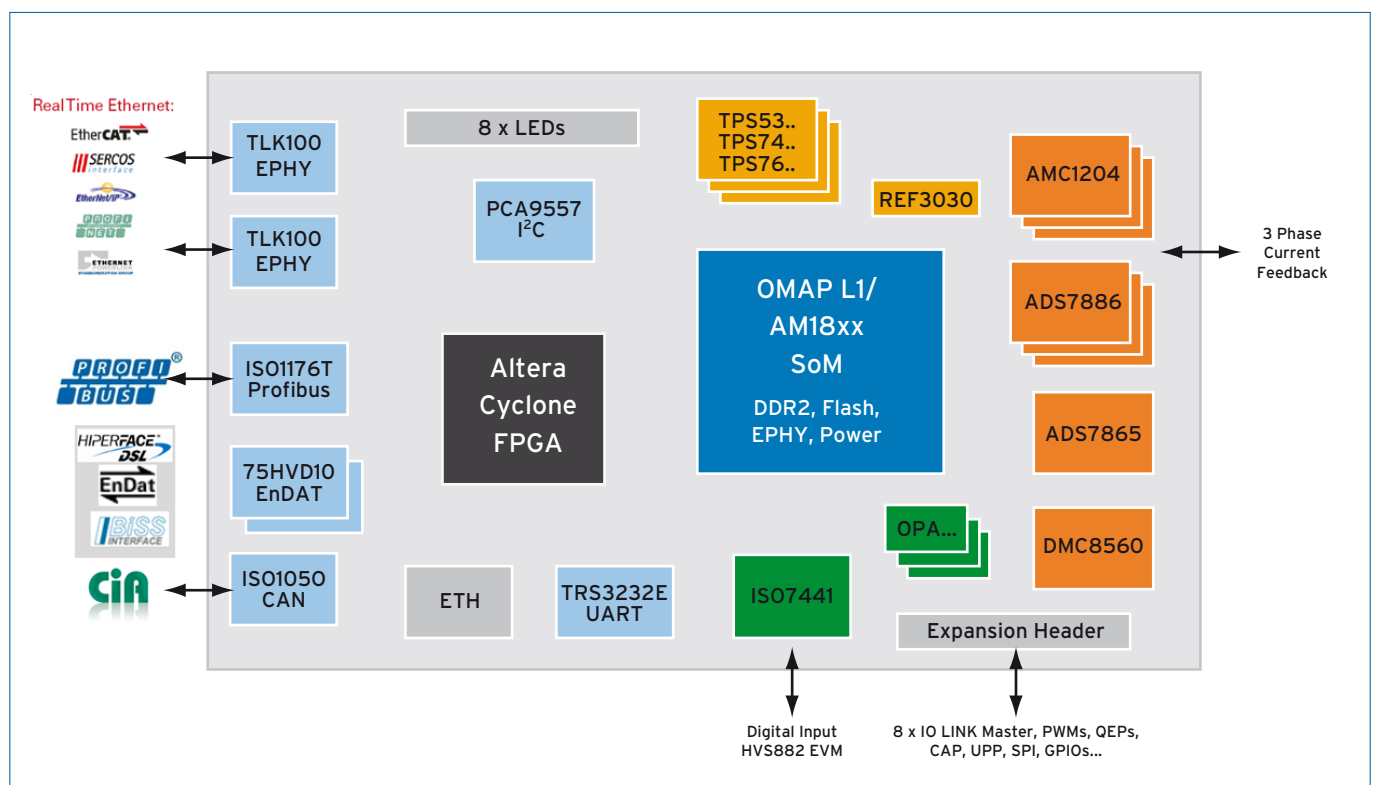
The Caribou board is a development and evaluation platform for industrial communication based on the OMAP L138 / AM1808 ARM microprocessor and analogue interfaces from Texas Instruments in combination with a Cyclone-3 FPGA from Altera and various analogue interfaces.

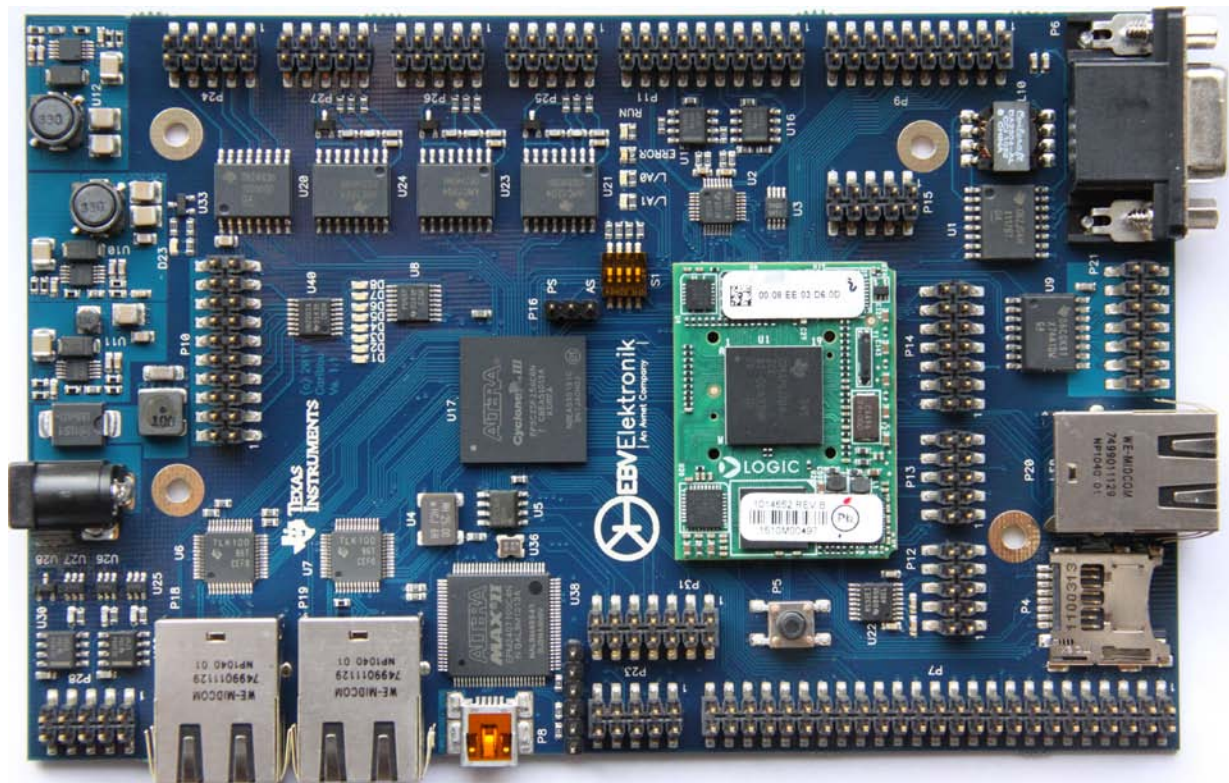
A range of different field buses and interfaces for industrial communications are available for developers, including serial-based field buses such as PROFIBUS and IO-Link as well as real-time Ethernet field buses such as EtherCAT, SERCOS-III, PROFINET, EtherNet/IP, Ethernet POWERLINK and IEEE1588. Encoder interfaces such as EnDat, BISS and HIPERFACE DSL can also be implemented. Featuring additional analogue components (ADC, DAC, PWMs), it provides interfaces for connection to control systems, resolvers and output stages.

The Caribou board provides developers with a special evaluation platform for industrial applications in the following areas:

- Programmable logic controllers (PLC)
- Control systems

- Sensors
- Motors with integrated controllers
- Industrial bus interfaces
 - Slave master gateways
 - Ethernet-based
 - EtherCAT
 - ProfiNet
 - EthernetIP
 - PowerLink
 - Sercos III
 - Serial-based
 - Profibus
 - ModBus
 - CAN
- Renewable energies
 - 3-phase solar inverters
 - Pitch controllers
- Test and measuring equipment





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EBV Elektronik, an Avnet (NYSE: AVT) company, was founded in 1969 and is the leading specialist in European semiconductor distribution. EBV maintains its successful strategy of personal commitment to customers and excellent services. 225 Technical Sales Specialists provide a strong focus on a selected group of long-term manufacturing partners. 110 continuously trained Application Specialists offer extensive application know-how and design expertise. Warehouse operations, complete logistics solutions and value-added services such as programming, taping & reeling and laser marking are fulfilled by Avnet Logistics, EBV's logistical backbone and Europe's largest service centre. EBV operates from 59 offices in 27 countries throughout EMEA (Europe – Middle East – Africa). For more information about EBV Elektronik, please visit www.ebv.com.

ABOUT TEXAS INSTRUMENTS

Texas Instruments Incorporated provides innovative semiconductor technologies to help our customers create the world's most advanced electronics. Our analog, embedded processing and wireless technologies permeate daily life in many different ways, from digital communications and entertainment to medical services, automotive systems and wide-ranging applications in between. TI helps customers solve problems and develop new electronics that make the world smarter, healthier, safer, greener and more fun. A global semiconductor company, TI innovates through manufacturing, design and sales operations in more than 25 countries. For more information, go to www.ti.com.

ABOUT ALTERA

Altera Corporation (NASDAQ: ALTR) is the pioneer of programmable logic solutions, enabling system and semiconductor companies to rapidly and cost effectively innovate, differentiate, and win in their markets. Altera offers FPGAs, CPLDs, and ASICs in combination with software tools, intellectual property, and customer support to provide high-value programmable solutions to over 12,000 customers worldwide. Altera was founded in 1983 and has annual revenues in 2009 of US\$1.20 billion. Altera is headquartered in San Jose, California, and employs approximately 2,600 people in 19 countries.

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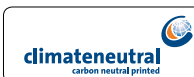
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