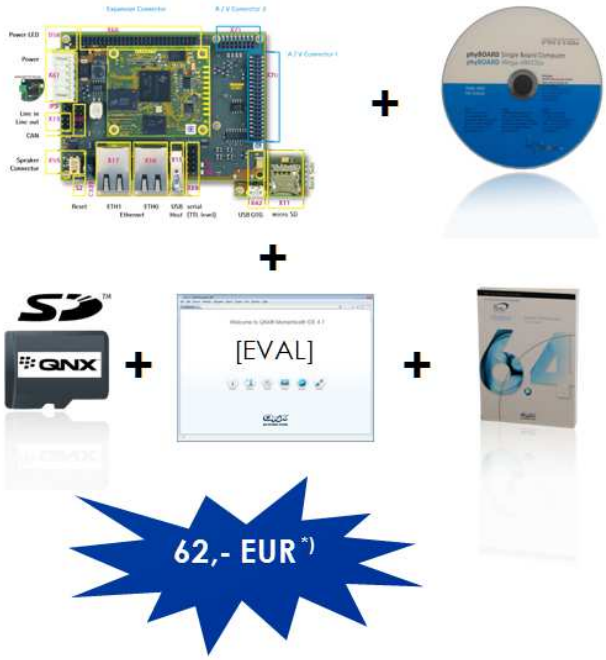
QNX Evaluation Kit phyBOARD-Wega

"Out-of-the box" Evaluation for QNX or Linux



*) all prices are non-binding, excluding German VAT and shipment

Features

- phyBOARD-Wega with Texas Instruments Sitara AM335x (**for industrial use**).
  Eval module adapter, HDMI adapter, RS-232 adapter and CAN adapter included
- Dual-booting prepared: Evaluation of QNX and Embedded Linux possible
- Embedded Linux Live-DVD
- Micro SD-Card with pre-configured QNX boot image
- QNX Board Support Package (runtime limited evaluation version)
- QNX Quickstart Guide
- Evaluation key for QNX Software Development Platform
- Book "QNX Neutrino RTOS System Architecture"

Ordering and Contact

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Details on the Products

phyBOARD-Wega

... is a cost-optimized and customizable **Single Board Computer** in Pico-ITX form factor with Direct Solder Connect (DSC) Technology. For more information please visit www.phytec.de

• Size:	100 x 72 mm	• Display:	Parallel I/F or HDMI adapter
• Power Supply:	12-24V(opt. 5V)	• Touch:	Res. (4wire) or cap. (I²C)
• Interfaces:	Ethernet, 2x RS232, 1x CAN USB 1x Host 1x OTG, 1x Line In, 1x Line Out	• Mass Storage:	µSD card
		• Expansion I/F:	3x UART, SPI, I²C, JTAG, MMC, GPIO, ADC
		• Temp. Range:	0°C ... 70°C
		• Price (1k/Jahr):	69,- EUR (5V) 82,- EUR (12-24V)

phyCORE-AM335x System-on-Module

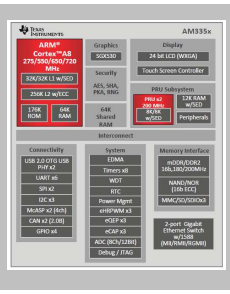
... is the "heart" of the phyBOARD-Wega. The System-on-Module (**SOM**) brings the flexibility of a custom design board based on the same CPU module as on the evaluation system.

• CPU:	Texas Instruments AM335x (Sitara), ARM Cortex-A8
• Clock:	800 MHz
• Memory:	256 MB (up to 2 GB) DDR3 RAM 128 MB (up to 2 GB) NAND flash opt. 8 MB SPI NOR flash 4 kB EEPROM

Texas Instruments Sitara AM335x ARM Processor Family

The SOM is based on this processor family. Its facts are:

- Highly integrated set of peripheral interfaces such as Gigabit Ethernet, USB, CAN, LCD, Touch, Audio, ...
- POWERVR SGX Graphics Accelerator subsystem for 2D / 3D graphics acceleration to support display and gaming effects
- PRU-ICSS enables real-time protocols such as EtherCAT, PROFINET, EtherNet/IP, PROFIBUS, Ethernet Powerlink, Sercos, and others
- Ideal for home automation, industrial automation, tablets, portable navigation devices and networking
- For additional details visit www.ti.com/am335x



Source: Texas Instruments

QNX Board Support Package

The Evaluation Kit contains a runtime limited version of the QNX BSP by IBV for the phyBOARD-Wega:

phyBOARD-Wega BSP (EVAL Version) supports:	IBV also provides a FULL version of the BSP with:
• Startup code for QNX 6.5.0 SP1	• NAND flash file system driver
• Serial driver	• I2C driver
• Ethernet driver (with debug, telnet, ...)	• SPI driver
• USB host driver	• CAN driver
• SD card driver	• GRAPHICS driver

- ***icECAT*** **slave SDK** available supporting the TI AM335x PRU-ICSS to implement an **EtherCAT slave** device

About IBV

IBV - Echtzeit- und Embedded GmbH & Co. KG is located in Koenigsbrunn near Augsburg in Germany. IBV is focusing on the development of software for various technical markets. IBV as competent partner for software development and operating systems provides "all-in-one" services for embedded projects. For more information visit http://www.ibv-augsburg.net