



# Carrier board for TE0729 Zynq-7020 SoC with USB-A-Host Connector

- **Order number:** TEB0729-03A

## Product information "Carrier board for TE0729 Zynq-7020 SoC with USB-A-Host Connector"

The Trenz Electronic TEB0729 carrier board was especially designed and developed for the use of Trenz Electronic module TE0729. It provides low-cost connection and extension to Trenz Electronic micromodules from the TE0729 series.

## Features

- Barrel jack for 5V power supply
- 2x RJ45 10/100-BaseT Ethernet MagJack with 2 integrated LEDs
- 1x RJ45 Gigabit Ethernet MagJack with 2 integrated LEDs.
- 2x Configuration EEPROM's, connected to SoM's I<sup>2</sup>C interface
- XMOD compatible header to connect the TE0790 USB2.0 adapter board
- JTAG and UART interface over XMOD header
- MicroSD Card socket, can be used to boot system
- USB2.0 socket
- 4-bit DIP switch for SoM configuration (SoM's JTAG access and Bootmode)
- VG96 connector soldering-pads J8 for access to SoM's PL-IO-bank-pins, usable as LVDS-pairs
- VG96 connector soldering-pads J9 for access to further interfaces and IO's of the SoM
- 1 x user LED (red)
- 1 x user push-button routed to SoM (Reset function at standard configuration)
- Pin headers to set PL-IO-bank's VCCIO with jumper

## Package Content

- 1 x TEB0729-03A carrier board for TE0729

## Required Hardware

- Switching Power Supply 5 VDC
- XMOD FTDI JTAG Adapter (Trenz Electronic article number TE0790)

*All modules produced by Trenz Electronic are developed and manufactured in Germany.*