



CompactPCI Serial Card with Xilinx Zynq UltraScale+ ZU15, 3U form factor

- **Order number:** TEC0850-03-15EG1E

Product information "CompactPCI Serial Card with Xilinx Zynq UltraScale+ ZU15, 3U form factor"

The Trenz Electronic TEC0850 board is a CompactPCI Serial card (3U form factor) integrating a Xilinx Zynq UltraScale+ MPSoC, one DDR4 SDRAM SODIMM socket with 64bit wide data bus, max. dual 512 MByte Flash memory for configuration and operation, 24 Gigabit transceivers on PL side and 4 on PS side, powerful switch-mode power supplies for all onboard voltages, USB2 and USB3 FIFO bridges and a large number of configurable I/Os available on the CompactPCI Serial backplane connectors.

Key Features

- Xilinx Zynq UltraScale+ XCZU15EG-1FFVB1156E
- ZU15EG, 1156 Pin Packages
- Dimensions: 3U, 8HP CompactPCI-Serial
- Rugged for shock and high vibration.
- 8 GByte (up to 32 GByte possible configuration) DDR4 SODIMM, 64-bit width, support DDR4 SODIMM with ECC
- 128 MByte QSPI Boot Flash dual parallel
- Rear I/O: 32 x differential pairs; 24 x GTH Lanes; 4 x PS GTR Lanes; 2 x USB 2.0 (depends from assembly variant)
- System Controller (Altera MAX10 FPGA SoC)
- Programmable 10-channel PLL clock generator (Si5345)
- 1 x USB 3.0
- 1 x 1 Gigabit Ethernet
- MicroSD Card Slot
- JTAG ,UART via Micro USB
- 2 x EEPROM
- Real Time Clock

- 4 x status LEDs
- 2 x 4 bit DIP switches
- 1 x User Button
- Zynq MPSoC cooling FAN connector
- High performance DC-DC converters
- Evenly spread supply pins for good signal integrity.

Other assembly options for cost or performance optimization plus high volume prices available on request.

Scope of Delivery

- 1 x CompactPCI Serial Card with Xilinx Zynq UltraScale+ ZU15, TEC0850-03-15EG1E

Additional Information

- Manufacturer's article number: TEC0850-03-15EG1E
- [Trenz Electronic TEC850 Wiki](#)
- [Support Forum](#)

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