



PCIe FMC Carrier mit Xilinx Kintex-7 160T, 4 Lane PCIe GEN2, DDR3 SODIMM ECC

- **Order number:** TEF1001-02-160-2I

Product information "PCIe FMC Carrier mit Xilinx Kintex-7 160T, 4 Lane PCIe GEN2, DDR3 SODIMM ECC"

The Trenz Electronic TEF1001-02-160-2I is a PCIe FMC Carrier integrating a Xilinx Kintex-7 160TFPGA, 32 MByte SPI Flash, a 4 lane PCIe and a DDR3 SODIMM with ECC Socket.

It can also be equipped with Kintex-7 325T or 410T, please ask for minimum quantities.

All parts are at least industrial temperature range of -40°C to +85°C. The module operating temperature range depends on customer design and cooling solution. Please contact us for options.

Key Features

- Xilinx Kintex-7 XC7K160T-2FBG676I
- One Vita 57.1 FMC HPC Slot
- 4 lane PCIe Gen2
- DDR3 SODIMM with ECC Socket (max. 8 GByte)
- 32 MByte SPI Flash
- Programmable clock generator Si5338
- 200 MHz Low-Jitter LVDS oscillator
- 12V input power protection circuit
- 12V input power through PCIe connector edge available (with priority to the ATX input power connector)
- FMC FAN on/off controlled by a pin-present on FMC
- High performance DC-DC converters

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

Scope of Delivery

- 1 x TEF1001-02-410-2I PCIe FMC Carrier

Additional Information

- Manufacturer's article name: TEF1001-02-410-2I
- [Trenz Electronic TEF1001 Wiki](#)
- [Support Forum](#)

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