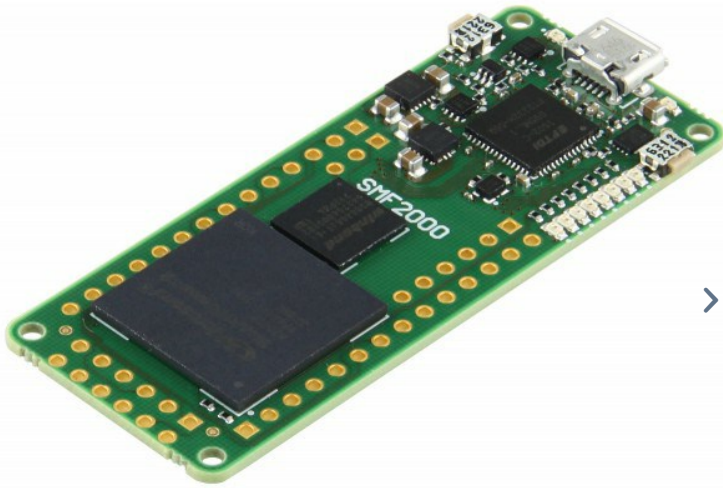


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SMF2000 FPGA Module with Microsemi SmartFusion2, 8 MByte SDRAM



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Description

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Product information "SMF2000 FPGA Module with Microsemi SmartFusion2, 8 MByte SDRAM"

The Trenz Electronic TEM0001 is a low cost small-sized FPGA module integrating a Microsemi [SmartFusion2](#) FPGA SoC and 8 MByte Flash memory for configuration and operation. SmartFusion2 combines a 166 MHz Cortex-M3 MCU including 256 KByte Flash and 80 KByte SRAM, as well as 12 kLUT FPGA Core Logic. The TEM0001 is ideal for evaluation and rapid prototyping.

Key Features

- Microsemi [SmartFusion2](#) SoC M2S010-VFG400 FPGA
- 8 MByte SDRAM
- 8 MByte QSPI Flash memory
- 25 MHz system clock and 32.768 KHz auxiliary clock
- JTAG and UART over Micro USB2 connector
- 1 x 3-pin header for Live Probes
- 1 x Pmod header providing 8 GPIOs
- 2 x 14-pin headers (2.54 mm pitch) providing 23 GPIOs
- 9 user LEDs
- 1 user push button
- 3.3V single power supply with on-board voltage regulators
- Size 61.5 x 25 mm

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

Package Content

- 1 x SMF2000 Smartfusion2 FPGA module with user manual

Additional Information

- Manufacturer's article number: TEM0001-01A-010C
- [Trenz Electronic SMF2000 Wiki](#)
- [Support Forum](#)

The online pictures of this product are not a legally binding offer, but are symbol pictures for illustration and presentation only.

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

Related links to "SMF2000 FPGA Module with Microsemi SmartFusion2, 8 MByte SDRAM"

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