# FPGA Module with Xilinx Artix-7 XC7A100T-2CSG324C, 2 x 50 Pin with 2.54 mm pitch

**Order number:**   TE0725-03-100-2C
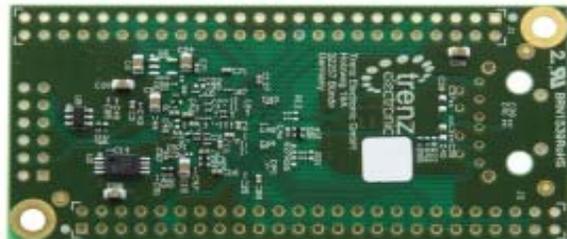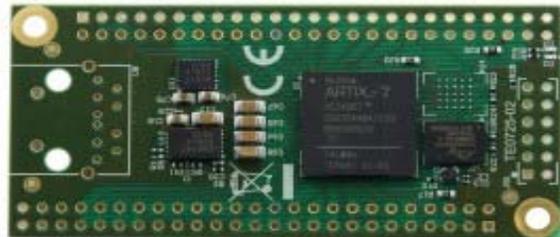






**Product information "FPGA Module with Xilinx Artix-7 XC7A100T-2CSG324C, 2 x 50 Pin with 2.54 mm pitch"**

The Trenz Electronic TE0725-03-100-2C is a low cost small-sized FPGA module integrating a Xilinx Artix-7 100T, 8 MByte HyperRAM and 32 MByte Flash memory for configuration and operation. The 2 x 50 pin header with a 2.54 mm standard pitch fits perfect on a breadboard.

All parts are at least commercial temperature range of 0°C to +70°C. The module operating temperature range depends on customer design and cooling solution. Please contact us for options.

# Key Features

Xilinx Artix-7 XC7A100T-2CSG324C
commercial temperature grade (industrial on request)
32 MByte Flash memory
64 MBit (8 MByte) HyperRAM
2 x 50 pin headers with 2.54 mm pitch, ideal for breadboard use
87 I/O's (42 + 42 + 3)
100 MHz system clock
I2C EEPROM
3.3V single supply with on board voltage regulators
7.3 x 3.5 cm form factor
JTAG connector
2 LEDs
optional Fiber Optic modul (125/250 or 1000 MBit/s)

# Recommended Software

Vivado HL WebPACK Edition (free Version)
You can find all Xilinx Vivado Versions here.

# Package Content

1 x TE0725-03-100-2C Board
3 x pin header, straight, double row, for J1 and J2 as well as JB1


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