

TE0320 On-board Memories

The TE0300 has three on-board memories:

- **DDR SDRAM (parallel)**
TE0320 modules have two 512Mb DDR SDRAM components each with a 16-bit data-bus connected in parallel to FPGA bank 3 as a virtual 512Mb DDR SDRAM component with a 32-bit data-bus. Memory available in industrial and commercial temperature grade.
- **SPI Flash (serial)**
TE0320 has an STMicroelectronics M25P32/64/128 (32/64/128-Mbit), low voltage, serial Flash memory with 75 MHz SPI bus interface for configuration and operating storage accessible through USB or SPI. The default module configuration contains a 32 Mbit Flash chip M25P32, other sizes are available on request.
- **EEPROM (serial)**
TE0300 modules have a Micron Technology 24LC128 128 kbit I2C CMOS Serial EEPROM for EZ-USB FX2 firmware, vendor ID and device ID storage accessible through the EZ-USB FX2 microcontroller.