

Linera FM-S6 Series FPGA Module

COMPACT

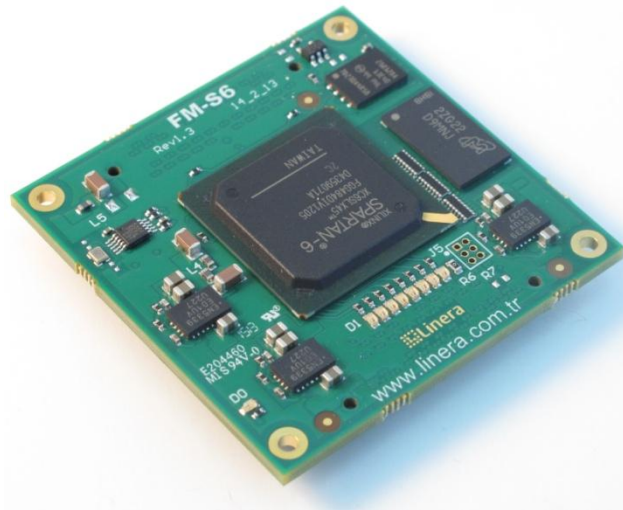
FM-S6 series FPGA modules measure 50mm x 50mm. They are pin-compatible with the FMU3-S6 series

EASY INTEGRATION

FM-S6 series FPGA modules can be mounted on a carrier board using 2 high-speed connectors. There are 148 I/O pins available to the end-user.

FLEXIBILITY

The on-board FPGA on FM series modules can be programmed via JTAG or via the on-board Flash. There is a 1Gbit DDR3 SDRAM available



FEATURES

- 50mm x 50mm board size
- Xilinx Spartan6 LX45 application FPGA (Available also with LX150)
- 1Gbit DDR3 SDRAM (Optional 2 or 4 Gbit)
- Programmable via JTAG or the on-board flash
- Two 100-pin high speed board-to-board connectors to mount on a host-board.
- 148 user I/O signals. 71 differential pairs
- 8 User LEDs on-board
- Pin-compatible with FMU3-S651 series
- On-board, programmable clock generator with 3 output clocks, with available SSC
- Breakout board available

APPLICATIONS

- Image processing
- Video processing
- FPGA co-processing
- Data acquisition
- Industrial control
- Semiconductor evaluation
- Digital system prototyping
- Test equipment development

BLOCK DIAGRAM

