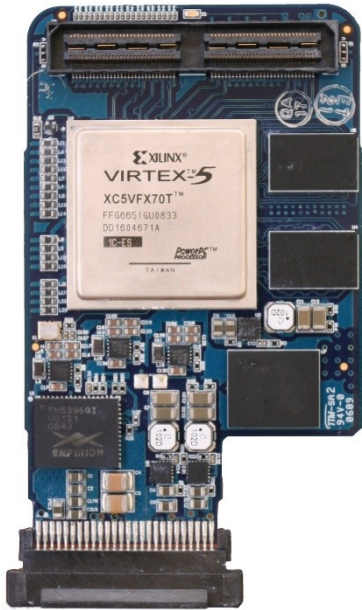


## Virtex-5 ExpressCard



E-Series cards are small form factor, high-performance solutions for embedded and hardware accelerated computing. E-Series cards are based on industry standard Xilinx FPGA devices, and on standard I/O interfaces including ExpressCard and CardBus.

- Xilinx Virtex-5 FPGA  
FX70T (PowerPC 440)  
SX50T  
LX50T
- ExpressCard/54mm  
(75mm x 54mm x 5mm)
- 256MB DDR2 @ 266MHz
- 64MB FLASH
- Expansion Capabilities  
32 LVDS Pairs  
4 Multi-Gigabit Transceivers

## E-17

### Specifications

- Xilinx Virtex-5 FX70T / SX50T / LX50T
- ExpressCard/54 (75mm x 54mm x 5mm)
- 256MB DDR2
- 64MB FLASH
- 32 LVDS or 64 Single Ended
- 4 Multi-Gigabit Transceivers
- x1 PCI Express (2.5Gbps)
- Temperature Range: 0<sup>0</sup> to 70<sup>0</sup> C

### Applications

- Embedded Systems and Digital Signal Processing
- Embedded Control Systems and Web Servers
- MATLab/Simulink™ Acceleration
- Encryption / Decryption
- Image Processing
- Communications Protocol Decoding
- Supercomputing / Cluster Computing
- Security Algorithms and Testing
- UAVs and Surveillance Systems
- Pattern Matching and Bio Informatics

### Software

- PicoUtil: Utility program for FPGA management (Windows and Linux)
- Xilinx standard tool set support (ISE, EDK, and Platform SDK)
- ImpulseC CoDeveloper Platform Support Package
- Plug-in for MATLAB/Simulink available

### Accessories

- E-17 Adapter Board with RS-232, Ethernet, JTAG and I/O Header
- E-17 Standalone Board with RS-232, Ethernet, JTAG, I/O Header, MGT (mini-SMAs) and USB 2.0

