

[Home](#) > [Products](#) > [Dev Kits & Hardware](#) > [Non-Volatile FPGA](#) > [LatticeXP2 Advanced Evaluation Board](#)

LatticeXP2 Advanced Evaluation Board

The LatticeXP2 Advanced Evaluation Board is a flexible platform designed to help you quickly evaluate the features and performance of the LatticeXP2 FPGA, or aid in development of custom designs. For more PCB options, see the [LatticeXP2 Standard Evaluation Board](#).



[click for enlarged view](#)

Product Contents

Each LatticeXP2 Advanced Evaluation Board includes the following:

- LatticeXP2 Advanced Evaluation Board featuring
 - LatticeXP2-17 FPGA in 484fpBGA package (LFXP2-17E-6F484C)
 - DDR2 SDRAM SO-DIMM socket (32-bit)
 - Tri-speed Ethernet PHY (10/100/1G) / RJ45.
 - PCI 32-bit edge
 - LVDS Video Tx/Rx (via MDR-26 connectors)
 - PS/2 I/O
 - Compact Flash connector
 - SMA's for clock and general purpose I/O
 - A/D converter (Burr Brown ADS7842)
 - D/A converter (Burr Brown DAC7617)
 - USB host/controller
 - Built-in USB download capability (includes MachXO device)
 - RS-232 connector (female)
 - on-board oscillator (dip socket)
 - SPI flash memory for alternate configuration
 - LCD connector
 - 4 push-button switches
 - 7-segment LED
 - 8-bit switch
 - 8 general purpose LEDs
 - PAC1220AT8 for on-board power control

USB Cable for download (Note: this board has a Lattice download cable built-in, so only a standard USB cable is required for programming)

Wall Adapter Power Supply (Universal voltage input, US plugs)

Device Support

You will need to following software to use this board:

[ispLEVER](#) for design, fitting, place & route of Lattice programmable devices

[ispVM](#) to download your program to the LatticeXP2 device

7:1 LVDS Video Demo & Kit

[The Lattice 7:1 Video Demo Kit](#)

is a set of boards and cables that demonstrate the implementation of a 7:1 LVDS solution. This kit is intended to work with the

[7:1 LVDS Video Interface Reference Design](#)

. Follow the links to learn more, or download the reference design and demo.

Ordering Information

LFXP2-17E-H-EVN

To purchase, visit our [online store](#).

Note: LFXP2-17E-H-EVN replaces LFXP2-17E-H-EV, which was not RoHS Compliant.