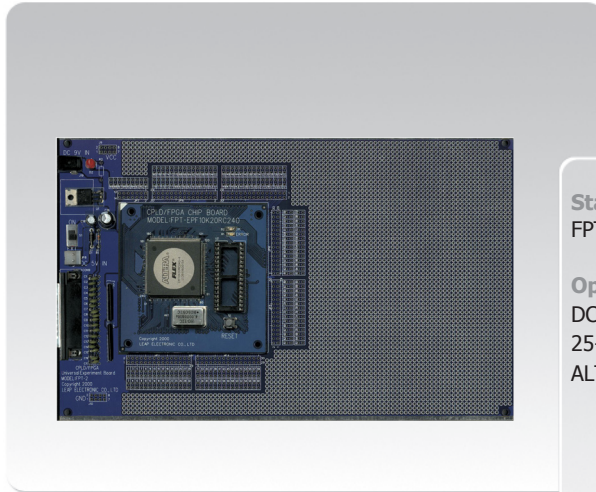


# FPT-2

## CPLD / FPGA Logic Circuit Universal Board / Chip Board

### Introduction

Leap Electronic designs a whole set omnipotent bread board to support ALTERA and XILINX; therefore users can easily assemble the desired circuit designs. FPT-2 is most apt in assisting towards researches and experiments, also projects.



- Standard Accessories**  
 FPT-2 Main board.....x1
- Optional Accessories**  
 DC 9V/500mA power adaptor  
 25-pin printer cable  
 ALTERA/XILINX chipboard

### Features

- After programming a finished file into EPROM (FLASH), it can operate independently.
- Support ALTERA and XILINX development system.
- Capable in using Circuit Graphic and digital hardware descriptive syntax (VHDL, ABEL, and AHDL) to develop circuits.
- Users can choose ALTERA or XILINX chipboard modules.
- Avoid the soldering issues between the circuits and cable lines.

### Specification

|                    |                         |
|--------------------|-------------------------|
| Communication      | Printer Port            |
| Power              | DC 9V/500mA             |
| Dimension          | 20.5cm x 12.8cm x 2.5cm |
| Weight             | 500g                    |
| Operating Altitude | up to 5000m             |
| Operating Humidity | 90% (non-condensing)    |
| Temperature        | +5°C ~ +45°C            |

### Chip board specification

| Device Supported                             | Chip board model                   |
|--|------------------------------------|
| <b>ALTERA</b> 1. EPF10K10TC144 (TQFP144 Pin) | <b>ALTERA</b> 1. FPT-EPF10K10TC144 |
| 2. EPF10K20RC240 (PQFP240 Pin)               | 2. FPT-EPF10K20RC240               |
| <b>XILINX</b> 1. XCS10TQ144 (TQFP144 Pin)    | <b>XILINX</b> 1. FPT-XCS10TQ144    |
| 2. XCS30TQ144 (TQFP144 Pin)                  | 2. FPT-XCS30TQ144                  |
| 3. XCS20PQ208 (PQFP208 Pin)                  | 3. FPT-XCS20PQ208                  |

### PC System Requirement

Operating System Windows 98/2000/XP/Vista 32bits

### FPT-2 Universal Board Specifications

- Provide DC 9V/500mA adaptor or Extend power Pin for user, and the specification is DC 5V.
- Attached with a power switch or Extend power indicator.
- 25pin D Type Connector (Download FPGA by printer port).
- Equipped with Breadboard and provide soldering circuits experiment.
- Support ALTERA MAX + Plus II Baseline and XILINX Foundation's development system.
- Use Graphic, VHDL, ABEL or AHDL to develop circuits.
- All I/O can be expanded by connector.
- Download circuit by printer port from IC vendor's software.