

**Product Name :**  
Advanced Digital Logic Lab

**Product Code :**  
NLAB-ELECTRICALAB150002



**Description :**

Advanced Digital Logic Lab

**Technical Specification :**

Advanced Digital Logic Lab

**Featured**

- The whole trainer is fully designed by FPGA/CPLD logic circuit. Buffer circuits have enhanced protection for each module which is powered by main unit through power socket, avoiding wrong input power source during the experiment.
- Covers different levels of logic circuit

experiments, ranging from combinational logic, sequential logic as well as the logic circuit interfacing with microcontroller and practical application circuit for daily use.

- Students can implement their own circuit from universal CPLD & breadboard experiment module, making it possible to prototype most analog and digital circuits in the system.
- Includes various types of ADC & DAC circuits to learn different interfacing circuits between analog and digital signal.
- Built-in 8-channel multiplexer in main unit to measure multiple digital signals in real time.
- Multiple operation modes from 4-digit 7-segment display (a) scanning display mode, (b) individual digit display mode, (c) frequency counter mode for measurement.

## Description

The Advanced Digital Logic Lab is designed for students and engineers interested in developing and testing prototypes circuit. The lab is included combinational logic, sequential logic, memory, ADC/DAC..etc. experiment circuits. And offer several application circuits (PWM, Timer, Motor control..etc.).

All necessary equipment for digital logic experiments such as power supply, clock generator, switches, displays are built-in on the main unit. The lab have 10 experiment modules and one CPLD & breadboard experiment module.

## Naugralabequipments

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