

## PLC Trainer

### Features

- It is Compact CPU with 32 Digital Inputs
- 32 Digital Outputs 5 Analog Inputs
- 2 Analog Outputs and PROFINET IRT with 2 port switch
- Open platform to explore wide PLC applications.
- Toggle switches push to ON switch
- Proximity sensor
- selector switch
- visual indicator
- audio indicator
- DC motor
- Relay card
- Contactor and voltage display.
- It has Powerful instruction sets and Several sample ladder programs student friendly software to develop different programs.
- It Compact tabletop ergonomic design.



➤ Note Shown image is just for illustration original may differ

### Technical Specifications

Toggle switches - 4 nos.

Push to ON switches - 3 nos

Proximity sensor - 1 no.

Selector switch - 1 no.

Visual indicators - 4 nos.

Audio indicator - 1 no.

DC motor - 1 no

Relay card - 1 no. (Contains 2 relays)

Contactor - 1 no.

Compact CPU 1512C-1N Working memory 52KB for program and 1MB for OData

Digital input - 32

Digital output - 32

Analog input - 5

Analog out put - 2,

Interface - PPROFINET IRT with two port switch , TIA Portal Professional (Licensed) PLC software , Wincc Basic (Licensed) HMI Software.

**PLC Programming****Introduction/Familiarization PLC Trainer & its Installation with PC**

- Learn the basics and hardware components of PLC
- Understand configuration of PLC system
- Study various building blocks of PLC
- Determine the No. of digital I/O & Analog I/O

**Execute the different Ladder Diagrams**

- Demonstrate PLC and Ladder diagram-Preparation downloading and running
- Execute Ladder diagrams for different Logical Gates
- Execute Ladder diagrams using timers & counters

**Execute the Ladder Diagrams with model applications**

- DOL starter
- Star-Delta starter

**Execute Ladder diagrams with model applications**

- Stair case lighting
- Traffic light controller
- Water Level Control Module
- Conveyor Module