



Description

The Computer Troubleshooting Trainer is a comprehensive educational system designed to develop practical diagnostic and fault-finding skills in personal computer hardware and system operation. The trainer allows instructors to introduce single or multiple faults in a controlled manner, enabling students to systematically identify, analyze, and rectify faults, thereby enhancing real-world troubleshooting competence.

System Features & Capabilities

- Programmable fault-insertion system with visual indication through LEDs on the block diagram-based personal system board
- Faults can be **enabled or disabled** via push-button control
- **Single or multiple faults** can be introduced at any time
- **Single-press fault reset** function
- Active faults indicated by corresponding LED illumination on the fault board
- LED indication can be switched OFF to conceal fault locations, ideal for **skill assessment and evaluation of troubleshooting ability**

Hardware Specifications

- **Processor:** Intel® Core™ i5-14100 (minimum)
- **Memory:** 8 GB DDR5 RAM (minimum)
- **Storage:** 512 GB PCIe NVMe M.2 SSD (minimum)
- **Graphics:** Intel® UHD Graphics 730 (minimum)
- **Operating System:** Windows® 11
- **Input Devices:** USB keyboard and mouse
- **Display:** 24.5-inch FHD monitor, 1920 × 1080 resolution (minimum)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- **Audio:** Multimedia speakers

Electrical Specifications

- **Input Power:** AC 220 V – 240 V, 50/60 Hz, single-phase
(Alternative input configuration available on order)

Environmental Conditions

- **Operating Temperature:** 0 °C to 45 °C
- **Relative Humidity:** ≤ 85% RH

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