MTA SKILLLAB SDN. BHD.

AIoT Training System

Model: FA-AIOT-1004

- **Smart Building Monitoring**



PLC – Sensor – SCADA – IIoT – Digital Dashboard – Analysis

Overview

The Smart Building & Energy Monitoring & analysis training equipment designed using standard industrial parts. Comprehensive vocational training and educational products based on experience and skill. This practical module introduces how sensors, energy meters, controllers and dashboards work together to monitor building operations and electricity use. Using representative loads such as lighting, ventilation or air-conditioning, trainees collect live data, track operating schedules and compare energy consumption under different conditions. The module follows the data from the field device to the dashboard.

Learning Outcome

- Identify the roles of sensors, energy meters, controllers, gateways and dashboards in a smart building system.
- Configure data collection
- Build a dashboard that displays live readings, historical energy trends and equipment operating status
- Configure alarm and notification at the IoT system
- Configure and test alerts for conditions
- Recommend an energy-saving action based on measured data

Technical Specification

Workstation

- Coated finished metal IIoT structure
- Dimension 1100x850x1100mm
- 32" Dashboard Monitor
- Electrical Control panel
- IIoT architecture training signboard

Electrical Control Panel

- Start/Stop/Reset/Auto/Man Button
- Siemens PLC 1200 series
- Siemens 7" HMI Screen
- 24DC Power Supply 10A
- ECU Industrial Gateway
- Network switch 8 ports
- Industrial PC
- MCB/fuse
- Single Phase AC230V

Sensor Device

- Temperature Humidity Sensor
- Light Sensor
- Smart Energy Metering
- Pressure Sensor

Application

- Electrical Heater
- Ventilation Motor
- Air Conditioning Unit
- Light Bulb

Brand : SKILLLAB
Made in Malaysia

Contact Us
+60124209420
jonathantan@multitradepac.com
www.multitradepac.com

MTA SKILLLAB SDN. BHD.

Courseware

- Training module consists of :
- Introduction to Industrial IoT
- Industrial Networking Protocol
- IoT Project creation
- IoT Dashboard
- EMS Analysis
- Lab/Experiments Manual

Training

- 2 days Fundamental PLC Programming Training
- 1 day Industrial Networking Training
- 3 days EMS and Analysis Training

Warranty

- 12 months product warranty against manufacturing defect only

Maintenance

- Locally support available (Penang/KL/JB)
- Twice a year maintenance support during warranty period

Technical Specification

Software

- WebAccess SCADA Software
- TIA Portal Programming Software

Brand : SKILLLAB
Made in Malaysia