



## Overview

The **IoT Home Service Trainer** is a comprehensive educational and experimental system designed to demonstrate the integration of **IoT technology in smart home applications**. It enables learners to understand and develop IoT-based control, monitoring, and automation systems using real-world devices and sensors. The system supports both **local and cloud IoT platforms**, providing a complete framework for hands-on training in smart home environments.

## Features

- Covers full IoT structure: **Content (C) – Platform (P) – Network (N) – Device (D)**
- Real home devices provided as **modular units** for easy practice and experimentation
- Includes **eight smart home modules**: Power, Light, Gas, Door Lock, Air Conditioning, Appliance, IP Camera, and Security
- **Wi-Fi communication** between device modules and IoT Platform
- Supports **IoT device interworking** through event-based automation on IoT Platform
- Enables **real-time monitoring and control** of devices and sensors via **Android App**
- Compatible with **Cloud IoT and Local IoT Platforms** for data storage and service creation
- Ideal for **IoT learning, research, and smart home prototyping**

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



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**Technical Specifications**

Parameter	Details
<b>System Components</b>	<b>IoT Embedded Gateway, Security Module, Door Control Module, Gas Control Module, Light Control Module, Appliance Control Module, Air Conditioning Module, Power Control Module, IP Camera Module</b>
<b>Connectivity</b>	<b>Wi-Fi communication between devices and IoT Platform</b>
<b>IoT Platform</b>	<b>Supports both Cloud IoT Platform (subscription-based) and Local IoT Platform with storage compatibility</b>
<b>Communication Protocol</b>	<b>Standard IoT network protocols over Wi-Fi</b>
<b>Control Interface</b>	<b>Android App for monitoring, sensor data log, and actuator control</b>
<b>Functions Supported</b>	<b>Real-time control, data monitoring, inter-device automation via platform events</b>
<b>Power Supply</b>	<b>230V AC <math>\pm</math>10%, 50Hz</b>
<b>Construction</b>	<b>Modular and scalable system with real home device interfaces</b>

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