HCIA-IoT V2.5 Exam Outline

HCIA-IoT V2.5 Certification Exam

Certification	HCIA-IoT
Exam Code	H12-111
Exam Name	HCIA-IoT V2.5
Language	English Chinese
Exam Format	Single Answer, Multiple Answer, True-false Question, Fill in the blanks
Exam Cost	200USD
Exam Duration	90 mins
Pass Score/ Total Score	600/1000

Exam Contents

HCIA-IoT V2.5 exam covers IoT concepts, IoT architecture, Huawei IoT solutions, common IoT communication technologies and solutions, NB-IoT communication technologies and solutions, 5G communication technologies and solutions, industrial IoT gateways, home IoT gateways, and IoT industry applications and solutions. Basic concepts and architecture of Huawei LiteOS, Huawei LiteOS kernel and framework, HUAWEI CLOUD IoT platform, HUAWEI CLOUD IoT platform secondary development, HUAWEI CLOUD IoT platform service process, and AT commands of communication modules.

Percentage of Knowledge Points

Key Points	Percentage
IoT Overview and Network Layer Technology Overview	56%
Overview of Platform Layer Technologies	21%
Overview of Sensing Layer Technologies	21%
Device-Cloud Connection Experience and Practices	2%

Knowledge Points

1. IoT Overview and Network Layer Technology Overview

1.1 IoT Development History and Overview

1.2 IoT Network Applications and Solutions

1.3 IoT Security Technologies

1.4 Common IoT Communications Technologies

1.5 NB-IoT Communication Technology Solution

1.6 5G Communications Technologies and Solutions

1.7 Industrial IoT Gateway

1.8 Home IoT Gateways

2. Overview of Platform Layer Technologies

2.1 IoT Platform

2.2 IoT platform Secondary Development

2.3 IoT Platform Service Process

2.4 IoT Platform Configuration and Secondary Development Experiment

3. Overview of Sensing Layer Technologies

3.1 Huawei LiteOS

3.2 Perception Layer Development

3.3 Device Services Based on Huawei LiteOS

4. Device-Cloud Connection Experience and Practices

4.1 AT Commands of the Communication Module

4.2 Device-Cloud Connection Based on NB-IoT Module

4.3 Device-Cloud Connection Based on GPRS and Wi-Fi Modules

📖 NOTE

The exam content mentioned in this document only serves as a general guide for examinees. The exam may also include other content not mentioned in this document.

References

HCIA-IoT V2.5 Courses

Recommended Training

HCIA-IoT V2.5 Training