

Preface

The phrase smart home refers to home automation devices that have internet access. Home automation, a broader category, includes any device that can be monitored or controlled via wireless radio signals, not just those having internet access. When connected with the Internet, home sensors and activation devices are an important constituent of the Internet of Things ("IoT"). A home automation system typically connects controlled devices to a central smart home hub (sometimes called a "gateway"). The user interface for control of the system uses either wall-mounted terminals, tablet or desktop computers, a mobile phone application, or a Web interface that may also be accessible off-site through the Internet.¹

In the present book, ten typical literatures about smart home published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on smart home. We hope this book can demonstrate advances in smart home as well as give references to the researchers, students and other related people.

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¹ https://en.wikipedia.org/wiki/Home_automation