## **Contents**

Foreword: 5G Empowers the Society for Development at a Rapid Speed	v
Foreword: 5G as the Engine for Upgrading and Development of the Vertical Industries	ix
Preface	xiii
About the Author	xvii
Chapter 1 The Past and Present of Smart Home	1
1.1 The Evolution of Smart Home	1
1.1.1 Smart home — being around us for a decade	1
1.1.2 The nature of smart home	3
1.2 When Smart Home Meets 5G	5
1.2.1 The core technology of smart home	5
1.2.2 The product form of smart home	20
Chapter 2 The Foundation of the Integration of	
Smart Home and 5G	29
2.1 Manufacturing Basis: Great Oaks Grow from Little Acorns	29
2.1.1 The current situation of manufacturing	
of a smart home	29
2.1.2 A new manufacturing model for 5G+	
industrial Internet	32
2.1.3 The application scene landing under the new mode	35

	5G + AIoT	90
3.6	3.6.1 AIoT: From IoT	90
	3.6.2 AIoT: The future of intelligence of everything	92
	3.6.3 Three applications of 5G and AIoT	94
Shante	4 Innovative Products Integrating Smart	
	Home and 5G	99
4.1	Intelligent Home System	99
7	4.1.1 A new definition of the 5G smart home system	99
	4.1.2 Architecture scheme of the intelligent home system	100
	4.1.3 Composition analysis of the intelligent home system	103
	4.1.4 New interactive experience of the smart home	
	system	106
4.2	Intelligent Control Center	111
	4.2.1 New demand for 5G intelligent control center	111
	4.2.2 Intelligent control center with a fixed form	113
	4.2.3 Intelligent control center with a mobile form	120
	4.2.4 The future of the intelligent control center system	122
Bibliog	raphy	125
0		
ndex		129

Contents xxi