ISO/IEC 30118-5:2018-11 (E)

Information technology - Open Connectivity Foundation (OCF) Specification - Part 5: Smart home device specification

Contents

Page

1 Scope 5
2 Normative references 5
3 Terms, definitions symbols and abbreviations 5
3.1 Terms and definitions 5
3.2 Symbols and abbreviations 6
3.3 Conventions 6
4 Document conventions and organization 6
4.1 Notation 6
4.2 Data types 7
4.3 Document structure 7
5 Operational Scenarios 8
5.1 Specification Version 8
6 Core Resource model 9
6.1 Introduction 9
6.2 Device Type 9
6.3 Profile of OCF Core Specification 9
7 Discovery 10
7.1 Endpoint Discovery 10
7.2 Resource Discovery 10
8 Security 10
9 Device Types 10
9.1 Standardized device types 10
9.2 Standardized enumeration values 14
9.3 Alphabetical list of standardized enumeration types 14
9.4 Standardized list of supported values for Mode Resource Type (oic.r.mode) 17
9.5 Standardized list of supported values for Operational State Resource Type (oic.r.operational.state) 18
9.6 Standardized list of supported values for Consumable and Consumable Collection Resource Types (oic.r.consumable, oic.r.consumablecollection) 20
9.6 Camera Media Format (oic.r.media) 21

Figures

Figure 1 Smart Home device building blocks. 8

Tables

Table 6-1 Required Resources for Smart Home Devices 9
Table 6-2 Required Properties in Resource 10
Table 9-1 Alphabetical list of device types (“rt”), including required Resources. 11
Table 9-2 list of required oic.r.mode supported values per device type (“rt”) 17
Table 9-3 list of required oic.r.operational.state supported values per Device Type (“rt”) 18
Table 9-4 list of defined enumeration values for oic.r.consumable, oic.r.consumablecollection 21
Table 9-5 Recommended media profiles. 22