

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

CJ/T 281-2008

**DCN control network communication protocol for residential
community
(English Translation)**

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Table of Contents

Foreword	
Introduction	
1 Scope	
2 Normative references	
3 Terms and Definitions, Abbreviations	
3.1 Terms and definitions	
3.2 Abbreviations	
4 Control network architecture	
4.1 Features	
4.2 Architecture	
5 Physical layer	
5.1 Signal Electrical Characteristics	
5.2 Carrier Sense Multiple Access/Collision Detection Requirements	
5.3 Encoding	
6 Data link layer	
6.1 Features	
6.2 MAC layer timing	
6.3 LLC layer PDU structure	
6.4 Response Mechanism	
6.5 Control subnet communication	
7 Network layer	
7.1 Features	
7.2 Network layer PDU structure	
Application layer	
8.1 Features	
8.2 Device Description Protocol	
Appendix A (informative) specification of the device description, XML text samples and XML Schema	
A. 1 The specification of the device description means	
A. 2 XML text sample	
A. 3 XML Schema	

Foreword

Appendix A of this standard is an informative annex.

This standard proposed by the Ministry of Housing and Urban Rural Development and standards.

This standard editor. Shenyang West East Control Technology Co., Ltd. Xiamen Li Lin Technology Co., Ltd., Xiamen City, Zhen Wei Safety Technology Development Limited, Gulf Security Technology Co., Ltd.

This standard unit. Guangzhou City, Anju Po Technology Co., Ltd., Northeastern University Neusoft Institute of Information, Shijiazhuang Railway Vocational and Technical College.

Introduction

Digital Community Control Network Industry Alliance (DigitCommunityControlNetworkIndustrialAliaance), referred to as DCN Union, is controlled by the Shenyang West Technology Co., Ltd., Guangzhou City, home Anbao Technology Co., Ltd., Shenzhen Technology Co., Secretary Li Xiamen Science and Technology Co., Ltd., Xiamen City, Zhen Wei Safety Technology Development Co., Ltd., Gulf Security Technology Co., Ltd. and other companies and industries an expert representative was launched on August 15, 2005 in Beijing.

The goal of DCN Alliance is to promote the construction of digital community control network technology standard and product system of China's own intellectual property rights.

The members of the current interconnection and exchange of products; to achieve the national chain members of the chain after-sales service.

DCN control network (DCNcontrolnetwork) is jointly established by the DCN alliance enterprises, the residential area of public security Anti-equipment, home security equipment, access intercom equipment, property service facilities control equipment, information equipment, household appliances and lighting equipment, etc.

Through a variety of transmission media in various ways to connect the open network, and through the gateway and Ethernet and other heterogeneous network interconnection.

Residential DCN Control Network Communication Protocol

1 Scope

This standard specifies the terminology and definitions of residential DCN control network, abbreviations, architecture, physical layer, data link layer, network Layers and application layer.

This standard applies to the design of residential control network and related product development and production.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest version applies to this standard.

GB/T 18793 Information Technology Extensible Markup Language (XMI) 1.0 GB/T 20299.4 Construction and residential area digital technology application - Part 4. Control Network Communication Protocol Application Requirements

3 Terms and Definitions, Abbreviations

The following terms, definitions and abbreviations apply to this standard.

3.1 Terms and definitions

3.1.1

Physical devices connected to transmission media that have independent device addresses and control network communications.

3.1.2

Complete the control of the network within a variety of data forwarding, control and communications equipment (or equipment portfolio), such as bridges, gateways.

3.1.3

Control the network with the application of equipment.

3.1.4

A collection of nodes that can be directly communicated by a single continuous transmission medium.

3.1.5

A device that connects two or more physical segments on the physical layer.

3.1.6

It consists of one or more physical network segments with the same communication baud rate interconnected by relays.

3.1.7

One or more network segments connected to the upper-level network through the system equipment.