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ICS 33.040.50
CCS M42

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3691.1-2020

Technical requirements for access network 10Gbit/s symmetric passive optical network (XGS-PON) - Part 1: General requirements

智能光分配网络 智能门禁技术要求 第1部分：总体

(English Translation)

Implemented on: July 1, 2020

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-3691-1-2020

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1 Foreword

YD/T 3691.1-2020 is issued by Ministry of Industry and Information Technology.

It is one of 3 parts of the YD/T 3691 series.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the general requirements for 10Gbit/s symmetrical passive optical network (XGS-PON) in terms of business, physical layer, system level, management and maintenance, environment, power supply, and electrical safety. This standard is applicable to XGS-PON equipment in the public telecommunication network environment, and can also be used by reference to the private telecommunication network.

YD/T 3691.1-2020 falls under ICS 33.040.50, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

Chinese original: about 23,246 characters

4 Related standards

Other parts of this standard:

YD/T 3691.2-2020 - Symmetric Passive Optical Network (XGS-PON) - Part 2: Physical media related (PMD) layer requirements

YD/T 3691.3-2020 - Part 3: Transmission and convergence (TC) layer requirements

Standards on related subjects:

YD/T 1092-2023 - Telecommunication cables - Foamed polyolefin dielectric, corrugated copper-tube outer conductor, 50 Ohm radio-frequency coaxial cable for wireless communications

YD/T 2165-2010 - Technical specification of modular uninterruptible power systems for telecommunications

YD/T 841-1996 - Underground communication pipe with plastic pipe

YD/T 2019.6-2026 - Test method for broadband customer networking based on public telecommunication network - Part 6: Fiber-To-The-Room (FTTR) residential equipment

5 Classification and status

International classification (ICS): 33.040.50

Chinese Standard Classification (CCS): M 42

Prefix YD/T: recommended standard.

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