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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

YD/T 1688.13-2026

Technical specification of optical transceiver module for xPON - Part 13: GPON/XG (S)-PON/50G-PON tri-mode OLT optical transceiver module

xPON光收发合一模块技术条件 第13部分:用于GPON、XG(S)-PON和50G-PON共存的光线路终端(OLT)的光收发合一模块

(English Translation)

Issued on: July 15, 2026 **Implemented on: November 1, 2026**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 1688.13-2026 was issued by Ministry of Industry and Information Technology on 15 July 2026 and has been in force since 1 November 2026.

It is one of 15 parts of the YD/T 1688 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

YD/T 1688.13-2026 falls under ICS 33.180.01, 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)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

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4 Related standards

Other parts of this standard:

YD/T 1688.2-2010 - Technical specification of optical transceiver module for xPON. Part 2: Optical transceiver module for EPON OLT/ONU

YD/T 1688.3-2011 - Technical specification of optical transceiver module for xPON. Part 3: Optical transceiver module for GPON OLT/ONU

YD/T 1688.3-2017 - Technical specification of optical transceiver module for xPON. Part 3: Optical transceiver module for GPON OLT/ONU

YD/T 1688.4-2011 - Technical specification of optical transceiver module for xPON. Part 4: Optical transceiver module for 10G EPON OLT/ONU

YD/T 1688.4-2016 - Part 4: Optical transceiver module for 10Gbit/s EPON OLT/ONU

YD/T 1688.5-2012 - Technical specification of optical transceiver module for xPON. Part 5: Optical transceiver module for XG-PON OLT/ONU

YD/T 1688.6-2018 - Part 6: Optical transceiver module for NG-PON2 stack type OLT/ONU

YD/T 1688.7-2017 - Technical specification of optical transceiver module for xPON. Part 7: Optical transceiver module embedded with MAC for ONU

YD/T 1688.8-2018 - The optical subassembly of transmitter and receiver at 100Gb/s and above bitrate--Part 1: 4??25Gb/s CLR4

YD/T 1688.9-2018 - Part 9: Optical transceiver module for XGS-PON OLT/ONU

YD/T 1688.10-2021 - Part 10: Optical transceiver module for integrating GPON and XGS-PON OLT optical transceiver module for integrating GPON and xGS-PON OLT

YD/T 1688.11-2024 - xPON optical transceiver module technical specifications - Part 11: Optical transceiver module for 50G TDM PON optical line terminal/optical network unit (OLT/ONU)

YD/T 1688.12-2024 - xPON optical transceiver module technical specifications - Part 12: Optical transceiver module for optical line terminal (OLT) coexistence of 10G PON and 50G-PON

YD/T 1688.14-2026 - Part 14: GPON/XG (S)-PON dual mode ONU optical transceiver module

Standards on related subjects:

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

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YD/T 1465-2006 - Technical Conditions for 10Gbit/s Small Form Factor Pluggable Transceiver Module

GB/T 18480-2001 - Specification for submarine optical fiber cables

5 Classification and status

International classification (ICS): 33.180.01

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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