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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6086.1-2024

800Gb/s intensity modulation pluggable optical transceiver module - Part 1: 8x100Gb/s

800Gb/s强度调制可插拔光收发合一模块 第1部分：8×100Gb/s

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6086.1-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 2025.

It is one of 3 parts of the YD/T 6086 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 abbreviations, terms and definitions of 8x100Gb/s 800Gb/s intensity modulated pluggable optical transceiver modules, specifies its technical requirements such as optoelectronic characteristics, appearance, software and environmental compliance, describes the corresponding test methods, and specifies inspection rules, marking, packaging, transportation and storage. This standard applies to the design, development, production and inspection of 8x100Gb/s intensity modulated pluggable optical transceiver modules.

YD/T 6086.1-2024 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.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 6086.2-2025 - 800Gb/s intensity modulation pluggable transceiver module - Part 2: 4x200Gb/s

YD/T 6086.3-2025 - 800Gb/s Intensity modulation pluggable transceiver module - Part 3: 2x400Gb/s CWDM4

Standards on related subjects:

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

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

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

YD/T 6087.1-2024 - Optical circuit board components for communication - Part 1: Fiber-optic type

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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