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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6086.3-2025

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

800Gb/s强度调制可插拔光收发合一光模块 第3部分：2×400Gb/s CWDM4

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6086.3-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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, technical requirements, test methods, reliability tests, electromagnetic compatibility tests, inspection rules, marking, packaging, transportation, and storage requirements for 800Gb/s intensity modulation pluggable optical transceiver modules based on 2 x 400b/s CWDM4. This standard applies to the design, development, production, and inspection of 800Gb/s intensity modulation pluggable optical transceiver modules based on 2 x 400Gb/s CWDM4.

YD/T 6086.3-2025 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 6086.1-2024 - 800Gb/s intensity modulation pluggable optical transceiver module - Part 1: 8x100Gb/s

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

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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