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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4377.3-2024

Optical transceiver module software management interface - Part 3: QSFP-DD/OSFP

光收发合一模块软件管理接口 第3部分：QSFP-DD/OSFP

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4377.3-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

It is one of 3 parts of the YD/T 4377 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 technical requirements for the software management interface of optical transceiver modules in the form of dual-density quad-channel small-sized hot-pluggable or eight-channel small-sized hot-pluggable (QSFP-DD/OSFP) packaging, including optical module software management interface, optical module management memory mapping and command data block (CDB) command table. This standard applies to the design, production and inspection of optical transceiver modules in the form of QSFP-DD/OSFP packaging.

YD/T 4377.3-2024 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 4377.1-2023 - Optical transceiver integrated module software management interface - Part 1: SFP/SFP+/SFP28

YD/T 4377.2-2024 - Part 2: QSFP /QSFP28

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 4378.3-2026 - Coherent driver modulator subassembly - Part 3: 1.2Tb/s

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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