

ICS 33.180.01
CCS M33

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD/T 4021.2-2026

**Metro application line-side optical transceiver module - Part 2:
800Gb/s**

城域应用线路侧光收发合一模块 第2部分：800Gb/s

(English Translation)

Issued on: June 1, 2026

Implemented on: September 1, 2026

Issued by: Ministry of Industry and Information Technology

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

YD/T 4021.2-2026 is a recommended industry standard of the People's Republic of China in the Telecom sector, approved and issued by the Ministry of Industry and Information Technology on 1 June 2026, with effect from 1 September 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.180.01; CCS M33.

1 Scope

This document specifies the technical requirements for line-side 800Gb/s optical transceiver modules used in metro applications. The requirements cover optoelectronic characteristics, software, restricted substances, reliability and electromagnetic compatibility. It also describes the corresponding test methods and sets out the inspection rules, together with marking, packaging, transport and storage. It applies to the design, development, production and inspection of these modules.

Module manufacturers, optical component suppliers, test laboratories and equipment vendors that build metro transmission systems will use it as a common reference for specification and verification. It is a voluntary industry standard (code with /T) and forms Part 2 of the series on metro application line-side optical transceiver modules. It was approved by the Ministry of Industry and Information Technology, issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.