

ICS 33.040.50
CCS M33

YD

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

YD/T 6957.1-2026

**Optical transceiver sub-assembly for FTTR main and secondary
units - Part 1: 2.5Gb/s**

光纤到房间（FTTR）主从设备用光收发合一组件 第1部分：2.5Gb/s
(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

YD/T 6957.1-2026 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 33.040.50; CCS M33.

1 Scope

YD/T 6957.1-2026 defines the terms for the 2.5Gb/s optical transceiver sub-assembly used in the main and secondary units of fibre-to-the-room (FTTR) systems, referred to as the 2.5Gb/s FTTR optical sub-assembly. It sets technical requirements for the optical path budget and optical distribution network, the optical interface, appearance, reliability and restricted substances. It also describes the matching test methods and sets out inspection rules, marking, packaging, transport and storage.

The document applies to the design, development, production and testing of 2.5Gb/s FTTR optical sub-assemblies. Optical module makers, FTTR equipment manufacturers and test laboratories are the usual users. It is a voluntary industry standard of the communications sector, issued by the Ministry of Industry and Information Technology on 1 June 2026 and effective from 1 September 2026. It is Part 1 of the series and is a new standard.