

ICS 33.040.50
CCS M33

YD

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

YD/T 1688.14-2026

**Technical specification of optical transceiver module for xPON -
Part 14: GPON/XG (S)-PON dual mode ONU optical transceiver
module**

xPON光收发合一模块技术条件 第14部分：用于GPON和XG（S）-PON双模光网
络单元（ONU）的光收发合一模块

(English Translation)

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Foreword

YD/T 1688.14-2026 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

Part 14 of the YD/T 1688 series deals with the optical transceiver module used in a dual mode GPON and XG(S)-PON optical network unit (ONU), referred to as the ONU dual mode optical module. It defines terms and abbreviations, sets technical requirements for the eye diagram mask, optical interface, appearance, reliability, electromagnetic compatibility and restricted substances, and describes the corresponding test methods. It also sets rules for inspection, marking, packaging, transport and storage.

The document applies to the design, development, production and testing of ONU dual mode optical modules, and also to dual mode modules for the fiber-to-the-room main equipment (MFU). It is used by module manufacturers, equipment makers, test laboratories and network operators who buy such modules. It is a voluntary standard, as shown by the /T in its code. It was approved and issued by the Ministry of Industry and Information Technology on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.