

ICS 33.180.01
CCS M 33

YD

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

YD/T 1962-2009

**Software Technical Requirements for 10 Gbit/s and 40 Gbit/s
Transponder with Multiplex/Demultiplex**

具有复用去复用功能的10Gbit/s 和40Gbit/s 光收发合一模块软件技术要求
(English Translation)

Issued on: June 15, 2009

Implemented on: September 1, 2009

Issued by: Ministry of Industry and Information Technology

Table of Contents

What this standard covers	1
Document data	2
Standards quoted by this document	3

What this standard covers

This standard specifies the multiplexing spent with alternate functions 10Gbit/s and 40Gbit/s optical transceiver module software technical requirements, mainly related to the optical module and the communication protocol between the host computer and the light inside the module types of command code, including control of the state of the light module set command code, optical module sexual energy query command code, the amount of optical module alarm query command codes. This standard applies to spent with multiplexing multiplexing function of 10Gbit/s and 40Gbit/s optical transceiver module IC software communication protocol. Other rates or other software communication protocol optical module may refer to. This standard applies only to low bit error rate (

Document data

International classification (ICS): 33.180.01.

Chinese classification (CCS): M33.

Estimated length of the Chinese original: 82,896 words.

Standards quoted by this document

YD/T 1199.1-2002; YD/T 1199.2-2002; YD/T 1321.2-2004; YD/T 1351-2005; ISO 8601-2004; ITU-T G.691-2006; ITU-T G.692-1998; ITU-T G.693-2006; ITU-T G.959.1-2006; GR-253-CORE-2005; I2C bus specification -2000; 300PIN 10GBIT/S optical transceiver module reference documentation -2002 (EDITION 4); 300PIN 40GBIT/S optical transceiver module reference documentation -2002 (REV 5)