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

YD/T 2274-2011

**Technical requirements for access network. 10Gbit/s Ethernet
passive optical network (10G-EPON)**

接入网技术要求 10Gbit/s以太网无源光网络 (10G-EPON)

(English Translation)

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What this standard covers

This standard specifies the reference model 10 Gigabit Ethernet Passive Optical Network (10G EPON) systems, compatibility with EPON (ie 1G EPON) is, business carrying capacity and performance indicators, service interface type, system function, operation and maintenance management, environmental and electrical characteristics and other requirements. And regulate 10GPEON system's physical layer and MAC layer. This standard applies to public telecommunications network equipment 10GPEON environment, can refer to the use of private telecommunications networks.

Document data

International classification (ICS): 33.040.50.

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Standards quoted by this document

GB/T 7611; GB/T 20185; YD/T 1054; YD/T 1385; YD/T 1475; YD/T 1522.1; YD/T 1522.2; YD/T 1530; YD/T 1771; YD/T 1996.1; YD/T 1996.2; YD/T 1996.3; YD/T 1996.4; YD/T 2277-2011; YD/T 2275-2011; YD/T 1688.3-2011; ITU-T G.707; ITU-T G.711; ITU-T G.723.1; ITU-T G.729; ITU-T G.983.1; ITU-T H.248.1; ITU-T Y.1291; IEEE STD 802.1AD; IEEE STD 802.1D; IEEE STD 802.1Q; IEEE STD 802.3; IEEE STD 802.3AV; IETF RFC 2236; IETF RFC 2933; IETF RFC 3376; IETF RFC 3550; IETF RFC 3985; IETF RFC 4197; IETF RFC 4553; IETF RFC 5086