

ICS 33.040.01
CCS M04

YD

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

YD/T 6987-2026

**Energy efficiency metrics and measurement method for
non-clustered router**

非集群路由器节能参数和测试方法

(English Translation)

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Foreword

YD/T 6987-2026 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 33.040.01; CCS M04.

1 Scope

YD/T 6987-2026 defines the energy-saving parameters of non-clustered routers among network devices, and sets out how they are assessed and tested. It deals with the energy efficiency metrics and the measurement method for this class of router.

The document applies to non-clustered router devices, including fixed-port non-clustered routers and modular non-clustered routers. Router manufacturers, network operators that compare the energy use of equipment, and test laboratories can use it. It is a voluntary standard of the communications industry. The Ministry of Industry and Information Technology issued it on 1 June 2026, and it is effective from 1 September 2026. It is a new standard.