

ICS 35.020
CCS L04

YD

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

YD/T 6775-2026

Security technical requirements for white box switch

白盒交换机安全技术要求

(English Translation)

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Foreword

YD/T 6775-2026 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 15 April 2026, with effect from 1 August 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 35.020; CCS L04.

1 Scope

YD/T 6775-2026 specifies the technical security requirements for white box switches. The requirements cover six areas: hardware security, firmware security, baseboard management controller security, open network install environment security, switch abstraction interface security and operating system security. A white box switch is a switch whose hardware and software come from separate sources, and this document addresses the security of each layer. It applies to the design, development, testing, production and maintenance of white box switches.

The document is used by switch manufacturers and software suppliers, by operators that deploy or maintain white box switches, and by test laboratories that check their security. It is a voluntary standard issued by the Ministry of Industry and Information Technology on 15 April 2026 and effective from 1 August 2026. It is a new standard.