

ICS 35.110
CCS M11

YD

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

YD/T 6644-2026

**Industrial Internet - Software defined factory intranet - Interface
technical requirements**

工业互联网 软件定义的工厂内网络 接口技术要求

(English Translation)

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Foreword

YD/T 6644-2026 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 11 March 2026, with effect from 1 June 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 35.110; CCS M11.

1 Scope

YD/T 6644-2026 specifies the interface technical requirements for software-defined networks inside a factory. It covers the interface types, the northbound interface, the U/N interface and the southbound interface. The document applies to software-defined industrial communication network systems used for factory measurement, monitoring and control, and it serves as the main technical basis for the design, construction, acceptance and inspection of software-defined factory network systems.

The standard is used by manufacturers of network controllers and industrial network equipment, by system integrators and factory operators who build and accept such networks, and by inspection bodies. It is a voluntary standard, as shown by the /T in its code. It was issued by the Ministry of Industry and Information Technology on 11 March 2026 and takes effect on 1 June 2026. It is a new standard.