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YD

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

YD/T 6891-2026

**Technical requirements and testing methods for inference
all-in-one machines for edge scenarios**

面向边缘场景的推理一体机技术要求和测试方法

(English Translation)

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Foreword

YD/T 6891-2026 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 33.040.40; CCS M32.

1 Scope

YD/T 6891-2026 specifies the functional requirements and the test methods for inference all-in-one machines for edge scenarios. The requirements cover the core areas of hardware capability, resource scheduling capability, model deployment and inference capability, model application capability, reliability, and equipment operation and management capability. Test methods are given to go with the functional requirements.

The document serves as a reference specification for evaluation and acceptance, for the developers and the selectors of inference all-in-one machine technology for edge scenarios. Equipment manufacturers, enterprise buyers, system integrators and test laboratories are typical users. It is a voluntary standard (code with /T). It was approved by the Ministry of Industry and Information Technology, issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.