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GB/Z 249-2026

Artificial intelligence - General technical requirements for the construction of port computing infrastructure

人工智能 港口算力基础设施通用技术要求

(English Translation)

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Foreword

GB/Z 249-2026 is a national guiding technical document (GB/Z) of the People's Republic of China, issued on 27 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China.

It is under the responsibility of the Standardization Administration of China.

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1 Scope

Port operators increasingly depend on dedicated computing capacity, and this guiding technical document addresses how that capacity should be built. Its subject, as the title indicates, is the general technical requirements for constructing port computing infrastructure in the context of artificial intelligence. It is issued as a GB/Z document, so it offers guidance for practitioners rather than binding obligations, and it is not a mandatory national standard.

The document is aimed at port authorities and terminal operators planning computing facilities, at system integrators and data center designers who deliver them, and at technology suppliers whose equipment and platforms are deployed in port environments. Project owners can also use it as a common reference when preparing specifications or reviewing proposals. The document was issued on 27 August 2026 by the national standardization administration. Readers working on AI-enabled logistics, terminal automation or shipping-sector digitalization in China will find it a useful reference for aligning infrastructure planning with national guidance.

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