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Brain-inspired computing - Reference architecture

类脑计算 参考架构

(English Translation)

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Foreword

GB/Z 216-2026 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.

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1 Scope

Brain-inspired computing draws on how biological nervous systems process information, and a reference architecture gives the field a common structural picture. This guiding technical document sets out such a reference architecture for brain-inspired computing. It is a GB/Z document, so it provides guidance and a shared frame of reference and does not impose mandatory requirements.

Research institutes, chip and system designers, software and algorithm developers, and technology planners who work with neuromorphic or related approaches are the principal readers. A reference architecture helps them describe components and relationships in comparable terms, supports discussion between hardware and software teams, and offers a base on which other standards can build. The document was issued on 27 August 2026 by the national standardization administration. A separate guidance document released on the same date deals with testing the computing capability of neuromorphic chips, and the two can be read together. Anyone following the early standardization of brain-inspired computing in China, whether as a developer, investor or analyst, will find it a relevant reference.

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