NeuroQuantis 2.0: Core Architecture and Materials

The NeuroQuantis 2.0 architecture is designed to integrate superconducting materials and enhance the AI core modules, paving the way for advanced computational capabilities. This document outlines the structural design, materials used, and a schematic diagram of the system.

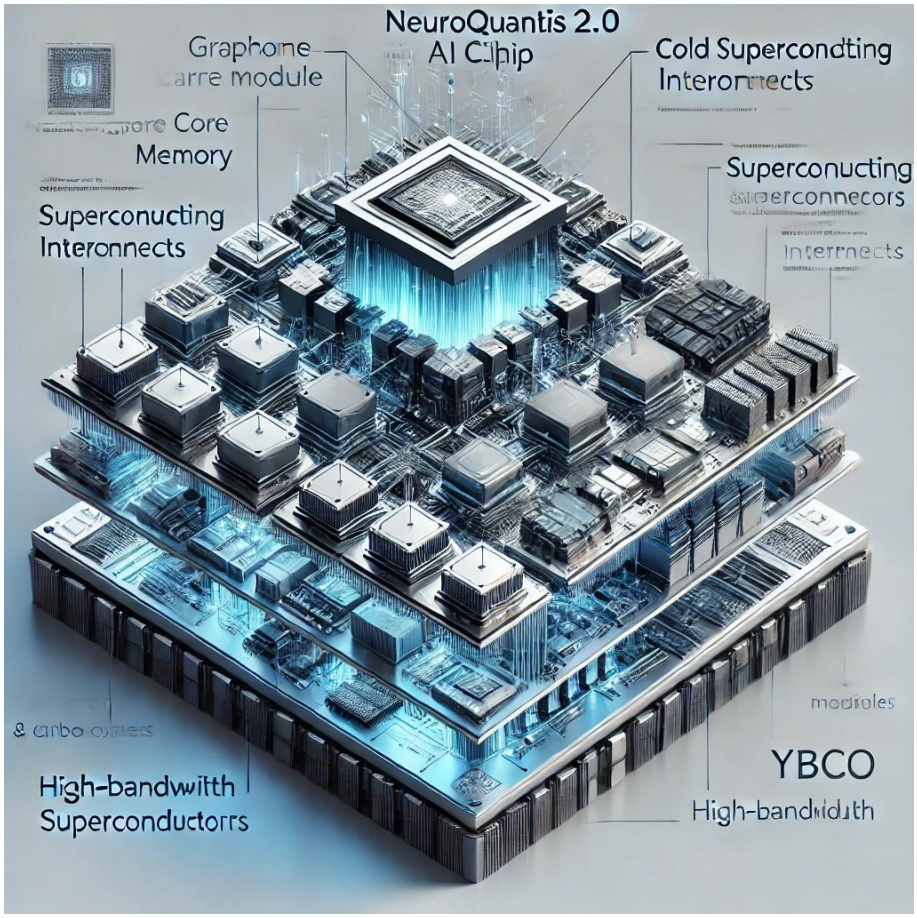
Structural Design

NeuroQuantis 2.0 adopts a modular structure that combines AI core modules with cold superconducting materials. The architecture ensures seamless integration of processing, storage, and communication units, optimized for both scalability and energy efficiency.

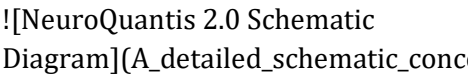
Materials Used

The primary materials used in the NeuroQuantis 2.0 architecture include:
- Cold superconductors for enhanced energy efficiency and performance.
- Advanced carbon nanotubes and graphene composites for structural integrity and thermal management.
- Non-linear optical materials to support AI-assisted optical communication modules.
These materials ensure robustness, scalability, and compatibility with future upgrades.

Schematic Diagram



Below is a detailed schematic representation of the NeuroQuantis 2.0 architecture, highlighting the integration of AI cores, superconducting pathways, and advanced materials.



Note

For a clearer understanding of the foundational concepts in NeuroQuantis 1.0, please refer to the NeuroQuantis 2.0 schematic, which builds upon and refines the core architecture.

NeuroQuantis chip architecture design