GoldCoreX Product Lineup

GDX-M1 — Flagship 1M Qubit Hybrid

- **Use:** Retrofittable CPU/GPU quantum accelerator
- **Integration:** PCIe or SoC for quantum-augmented compute clusters
- **Target Market:** Data centers, chip vendors, AI labs

GDX-QE1 — Quantum Entanglement Engine

- **Use:** Multi-bus, refresh-stable entanglement module
- **Stackable:** Yes
- **Target Market:** Quantum cloud APIs, encryption clusters, multi-user QML systems

GDX-Micro — Mobile-Grade QPU

- **Use:** Quantum-enhanced smartphones, wearables, and AI edge devices
- **Qubits:** 500k
- **Power Profile:** Ultra-low-power photonic switching
- **Target Market:** Samsung, Apple, Lenovo, defense mobile systems

GDX-Matrix 10 — Supercompute Array Core

- **Use:** 10 × QE1 matrix stack (10M qubits)
- **Application:** Quantum HPC, matrix-based entangled compute
- **Target Market:** National labs, defense agencies, quantum simulation platforms

GDX-Link I/O — Classical-Quantum Interface Layer

- **Use:** Classical-to-QASM logic translation
- **Compatibility:** Interfaces with M1, QE1, and Matrix 10
- **Features:** Integrated photon routing logic
- **Target Market:** Developers, hardware integrators

GDX-CoreDev Kit — Developer SDK Bundle

- **Use:** 100k qubit chip + SDK tools for R&D
- **Software:** Includes photon controller emulator and dev suite
- **Target Market:** University labs, quantum startups, SDK teams

GDX-Secure — Quantum Encryption Module

- **Use:** Embedded quantum key exchange
- **Qubits:** $\sim$200k
- **Application:** Quantum-resistant encryption systems
- **Target Market:** Military, financial sector, satellite communications

GDX-SatOps — Space-Grade Quantum Controller

- **Use:** Radiation-hardened QPU for orbital/hostile environments
- **Qubits:** 250k
- **Application:** Space-based quantum networking, secure comms
- **Target Market:** NASA, SpaceX, defense satellites

GDX-Alpha-X — Experimental "Open Core" Platform

- **Use:** Customizable platform for QML and experimental work
- **Qubits:** 750k
- **Features:** Tunable well depth, pulse timing, and refresh cycle
- **Target Market:** DeepMind, OpenAI, NVIDIA, academic labs