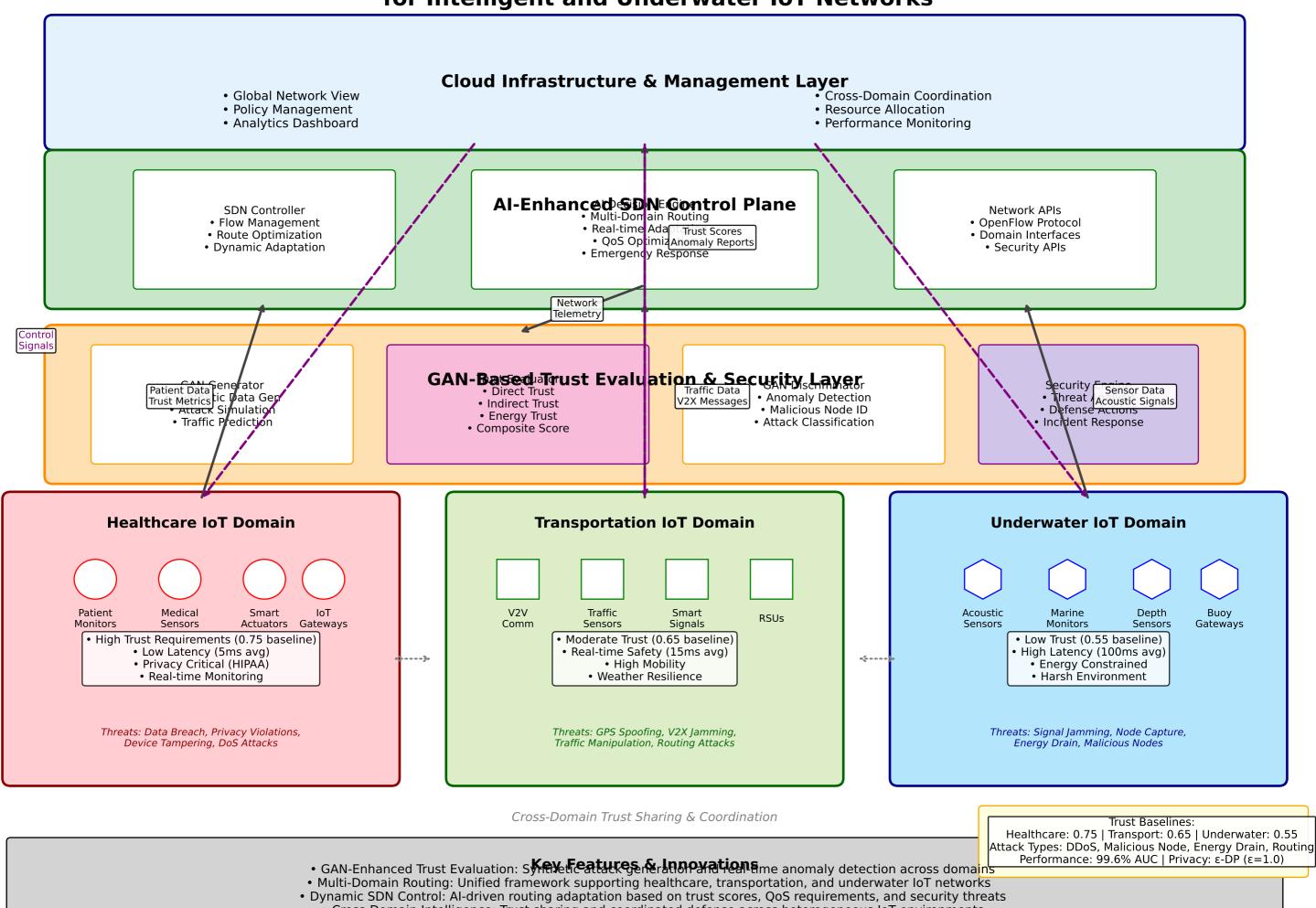
SecureRouteX: Generative and Trust-Aware AI-SDN Routing Architecture for Intelligent and Underwater IoT Networks



Dynamic SDN Control: Al-driven routing adaptation based on trust scores, QoS requirements, and security threats
Cross-Domain Intelligence: Trust sharing and coordinated defense across heterogeneous IoT environments
Energy-Aware Optimization: Trust-energy trade-off optimization for resource-constrained underwater deployments