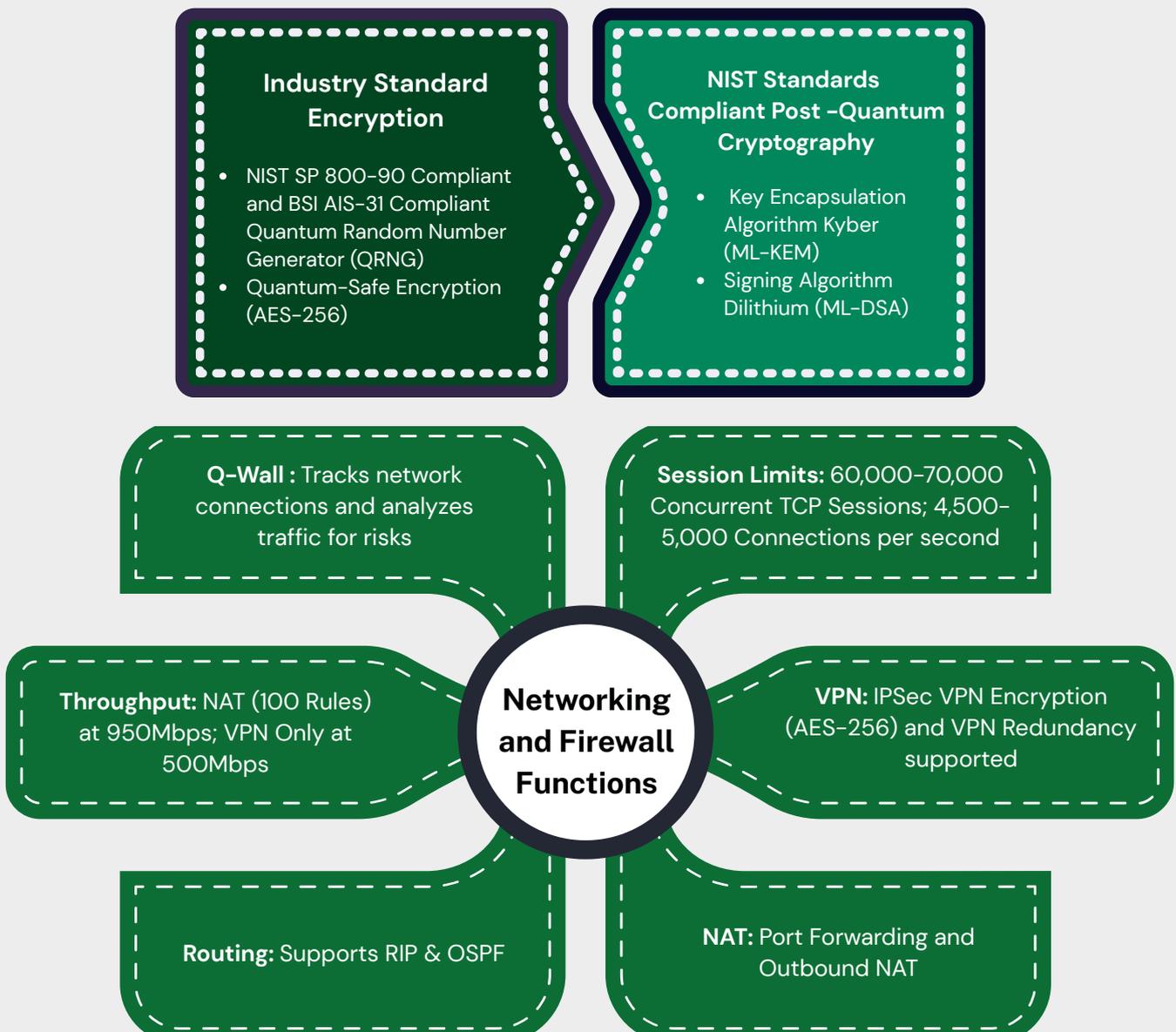# Q-Wall

This compact, portable hardware device allows users to securely encrypt data on PCs, laptops, and storage devices. It ensures the protection of sensitive information during transmission over insecure channels, such as email attachments. With its easy-to-use design, it provides an added layer of security for data in transit, giving users peace of mind when sharing files in an increasingly vulnerable digital landscape.

TECHNICAL FEATURES AND SPECIFICATIONS

Industry Standard Encryption

- NIST SP 800-90 Compliant and BSI AIS-31 Compliant Quantum Random Number Generator (QRNG)
- Quantum-Safe Encryption (AES-256)

NIST Standards Compliant Post –Quantum Cryptography

- Key Encapsulation Algorithm Kyber (ML-KEM)
- Signing Algorithm Dilithium (ML-DSA)

Networking and Firewall Functions

Q-Wall : Tracks network connections and analyzes traffic for risks

Session Limits: 60,000-70,000 Concurrent TCP Sessions; 4,500-5,000 Connections per second

Throughput: NAT (100 Rules) at 950Mbps; VPN Only at 500Mbps

VPN: IPSec VPN Encryption (AES-256) and VPN Redundancy supported

Routing: Supports RIP & OSPF

NAT: Port Forwarding and Outbound NAT

Q-Wall

Hardware and Design

Custom Hardware design

Smart Pocket-able solution for data encryption

Form Factor: Desktop

Interfaces: 2x 1Gbps SFP and 6x 1Gbps Ethernet

Management and Security Support

User Interface	Friendly/Intuitive UI
Monitoring	Central Logging & SIEM Support; SNMP v2c & SNMP v3 support
Administration	• Role-Based User Creation (RBAC) • Quality of Service (QoS) for bandwidth utilization and priorities • Central Policy Management • Manual & Scheduled Backups with Integrated Patch & CP Management Agent
Resilience	WAN Failover (multiple internet connections) and Port Scan Protection
Protocol Support	Network Time Protocol (NTP) for time-based policy implementation

THE ULTIMATE DEFENSE FOR YOUR NETWORK

Stay Connected

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