

ENHANCED QUANTUM SECURE ACCESS NODE

C-DOT's Enhanced Quantum Secure Access Node (e-QSAN) offers the highest level of security for communication. This device incorporates quantum-safe algorithms, distributed security along with classical encryption methods to ensure that sensitive information remains secure. It can be used along with access devices like Wi-Fi, Wireless Radios, GPON to provide extra layer of security for the user data. This secure platform further enhances the security by neutralizing the physical attack methods.



Product Features

- Network Connectivity : 5 x 1Gbps Ports on M12 X-coded connector
- Redundant Power supply : Dual Power Supply with circular connectors
- Cooling Mechanism : Fan Less Natural Convection
- Low Power Consumption : 15 Watts(approx.)
- Input voltage : 12V/2A DC
- Operating System : Ubuntu 22.04
- Hybrid PQC throughput : Up to 830Mbps (1G ports) (inline encryption)

Security Features

- Hardware based Secure Boot
- Hardware based Full Disk Encryption
- Supports encryption using Hybrid PQC (Classical + PQC)
- Rugged construction
- Provisioned for TPM, Anti Tamper features etc.

CERTIFICATIONS

- **PQC module is NIST-CAVP Certified.**