



Q*Bird Falqon[®] Series

SECURE YOUR DATA WITH
QUANTUM SAFE CRYPTOGRAPHY



Is Your Data Really Secure?

In today's digital world, data security is more critical than ever with increased computing power and AI. Traditional cryptography methods are increasingly at risk. Once encrypted data is stolen, it can be stored and decrypted later, a common tactic known as "harvest now, decrypt later", making even today's secrets vulnerable tomorrow.

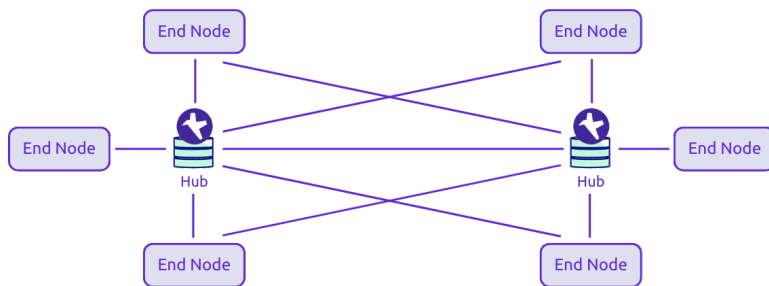
Q*Bird's QKD uses the laws of quantum physics to provide proven secure cryptographic keys that are immune to interception, ensuring your data remains safe from eavesdropping.

Our Falqon® Series delivers a next-generation solution for Quantum Key Distribution (MDI QKD) offering unequalled security and flexibility without relying on trusted nodes, ensuring your data stays protected in transit, now and into the quantum future.

Quantum Security: How Falqon® Protects Your Data?

The Falqon® Series creates a secure, scalable network where only End Nodes can access the cryptographic keys.

The inherent star topology greatly increases the flexibility in the topology and the distance between 2 end users up to 200km.



End Nodes create the ultra-secure cryptographic keys.

Center Hub facilitates key distribution but *never* has access to the keys. No need for a trusted infrastructure.

Center Hub includes optical routing of quantum and classical data around the network.

Why Trust Your Data to Q*Bird's Falqon® Series?

Untappable communication powered by quantum physics for maximum protection

Immediate auto-recognition of eavesdropping attack

Future-proof against future quantum computing attacks

Seamless integration compatible with existing network and security systems

End Nodes can connect to 2 or more Center Hubs enabling redundancy

Multi-point connectivity securely links multiple locations in one network

Key Features of the Falqon® Series

Scalable and Cost Effective Solution	✓
Remote Management and Configuration	✓
Embedded Key Management System	✓
Standardized Interfaces	ETSI004, ETSI014, ETSI020, SKIP
Security	Tapping Detection, Detector Hacking Proof
Maximum Distance between 2 Nodes	Up to 200 Km — 40 dB



Your Partner in Quantum Security

Q*Bird is a leader in quantum communication technology, based in Delft, The Netherlands.

We provide cutting-edge solutions and expert support to ensure your data security.

Trusted By



Port of
Rotterdam



Quantum
Delta NL

SURF



eurofiber

Belnet

Adtran



Contact us today to learn how the Falcon® Series can protect your organization from data breaches, quantum threats and future-proof your network security!



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