



WE CREATE THE NEXT GENERATION DIGITAL INFRASTRUCTURE



Ready

to provide ultra-secure communications and protection for your digital infrastructure, based on the laws of physics.

Our **MDI QKD Falcon[®]** Series **seamlessly integrates quantum** with telecom and data communications.

- ✦ Multipoint-to-multipoint
- ✦ Cost effective scaling
- ✦ Improved security
- ✦ Future proof

Interested in Collaboration
or Partnerships, Contact Us!



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Key Features of the Falqon® Series — MQ4000 Line

Maximum Length of Quantum Channel (typ. @ 0.2 dB/Km)	200 Km — 40 dB
Secret Key Rate (with 0.2 dB/Km)	≥ 500 bps at 125 Km
Protocol	Measurement Device Independent with Decoy States
Pulse Repetition Rate	1.25 GHz
Fiber Requirements for Quantum and Service Channel	1 Fiber Pair Total
Connector for Quantum Channel	LC/SC/FC
WDM Compatibility	Yes, upon request
Wavelength	C Band (1530-1580 nm), or O Band (1310 nm)
Key Delivery Interface	ETSI014, ETSI004, ETSI020, SKIP and customer specific upon request
Secure Key Handover to Encryptors/Secure Application	Yes, using MTLs
Remote Management Interfaces	NETCONF, RESTCONF, SNMP, CLI
Auto-recognition of Eavesdropping Attacks	✓
Multi-tenancy Architecture	✓

Environmental and Physical Parameters

	Center Hub—MQX4000	End Node—MQT4000
Form Factor	13 U to 34 U	2 U
Dimensions	Varies	19 inch x 70 cm
Interfaces	2N x Simplex Fiber 4 x 1 Gpbs Ethernet Ports 1 x USB	2 x Simplex Fiber 4 x 1 Gpbs Ethernet Ports 1 x USB
Power Supply	1400 W Max, 100-240 V	200 W, 100-240 V
Weight	Varies	30 Kg
Temperature Range	18 C - 35 C	18 C - 35 C
Relative Humidity Range	30% to 60%, non-condensing	30% to 60%, non-condensing