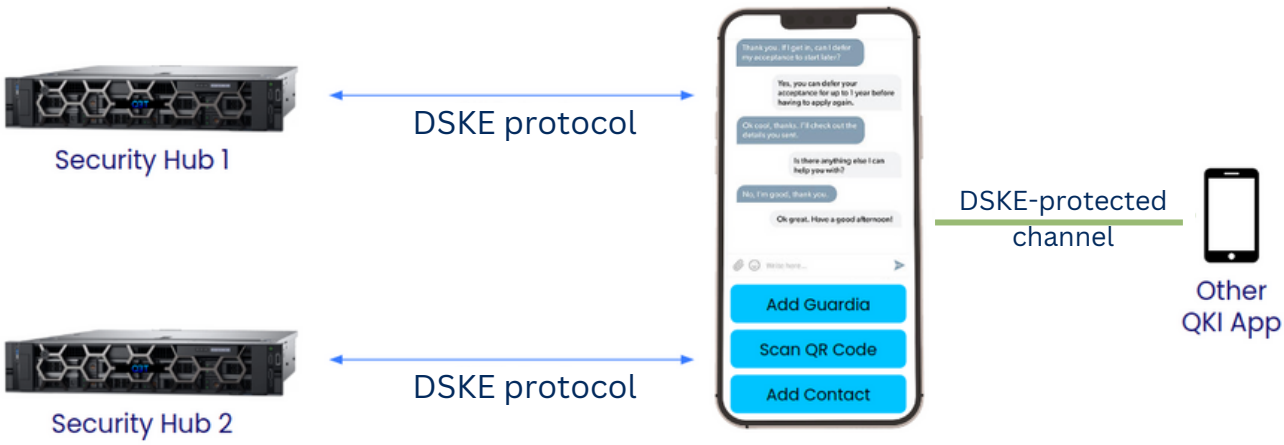
DATA SHEET

Black Phone

End-to-end encrypted voice, video, messaging, and file transfer with DSKE protocol.

Quantum Bridge Black Phone provides organisations with the industry's first symmetric key distribution technology that delivers unconditional security to mobile devices. The Quantum Bridge Black Phone application can be installed in existing phones, and does not require any special hardware. Once installed and configured, the app can be used for messaging, voice and video calls, and file transfer, all with end-to-end encryption and authentication, where the cryptographic keys are delivered by the DSKE protocol. Black Phone is the first application able to deliver pre-shared keys to a scalable, mobile phone environment, and remove single points of failure in the key distribution and management operations.

Endpoint Security



DSKE clients can be easily integrated into endpoint devices such as mobile phones and personal computers. The DSKE clients provide unconditionally secure authentication and encryption, and remove the need to trust any single service provider. DSKE clients can be easily integrated into existing protocols such as TLS/DTLS, WireGuard, IPsec, or any other customized communication protocol with pre-shared key compatibility.

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Benefits

End-to-end encryption

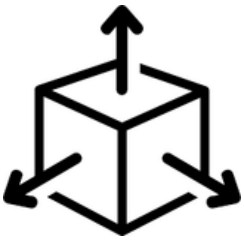
All communication is encrypted and authenticated end-to-end.

In depth security

DSKE is layered with PKI technology to provide in-depth security.

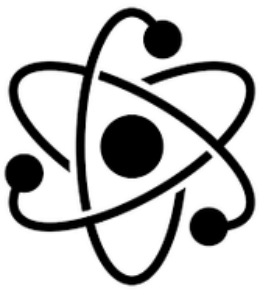
Enterprise-ready

Easy to deploy, manage and scale in an enterprise environment.



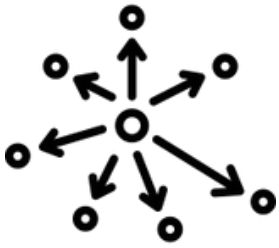
Easy to scale

New users can join the network at any time, served by multiple Security Hubs.



Quantum-safe

Future-proof and quantum-safe. Protect against harvest now decrypt later attacks.



No-single point of trust

No single point of trust knows the keys of the users. Fault-tolerant architecture.

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