

(a) Classical Crypto-Agility

classical

quantum

AES	✓	QKD	✗
OTP	✓	QDS	✗
RSA	✓	QSS	✗
ECDH	✓	Etc.	✗
PQC	✓		

(b) QKD-Assisted Crypto-Agility

classical

quantum

AES	✓	QKD	✓
OTP	✓	QDS	✗
RSA	✓	QSS	✗
ECDH	✓	Etc.	✗
PQC	✓		

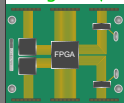
(c) Quantum Crypto-Agility

classical

quantum

AES	✓	QKD	✓
OTP	✓	QDS	✓
RSA	✓	QSS	✓
ECDH	✓	Etc.	✓
PQC	✓		

agile ✓

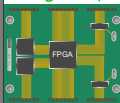


Classical
encryptor
core



10G NIC

agile ✓



Classical
encryptor
core

not agile ✗

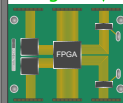


QKD
System



10G NIC

agile ✓



Classical
encryptor
core

agile ✓



Quantum
NIC



10G NIC