OQC TOSHIKO

OQC Toshiko Gen 1 is the world's first enterprise-ready platform. It operates on superconducting qubits implemented within a coaxmon architecture. Gen1 has 32 addressable qubits arranged within a lattice featuring 2:1 and 3:1 qubit couplings. OQC Toshiko launches with QIR, OpenPulse and OpenQASM v2.0 support, with features towards OpenQASM v3.0 becoming available across the lifetime of the Toshiko platform.

SYSTEM

FAMILY	TOSHIKO 1
NAMES	LONDON–1
	TOKYO–1
ENVIRONMENT	ENTERPRISE LHR3
	ENTERPRISE EQUINIX IBX TY11
GENERATION	GEN 1
TYPE	SUPERCONDUCTING CIRCUIT
	UNIVERSAL GATE–BASED
NUMBER OF QUBITS	32
DATE DEPLOYED	NOV 2023

INDICATIVE PERFORMANCE SNAPSHOT

T1	60 µs
T2	60 µs
1Q Fidelity	99.9%
2Q Fidelity	96%

LANGUAGE FEATURES

QIR

OpenPulse

OpenQASM v2.0