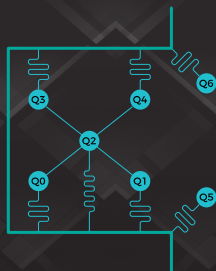


# Soprano-D

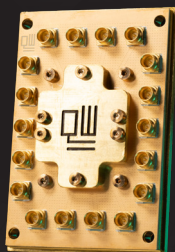
## 4-QUBIT OR 5-QUBIT QPU

Build quantum computers with great performance, at a fraction of the cost



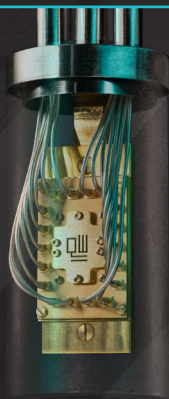
- ▶ Dedicated drive and flux lines for each qubit
- ▶ QuantWare's Hamiltonian parameter design
- ▶ *Soprano-D* starting at 60k Euro

### Dimensions



45 x 67 x 11 mm

### Shielding



75 x 75 x 222 mm

### SOPRANO-D1

4 interconnected and fully controllable qubits

Up to 2 isolated qubits

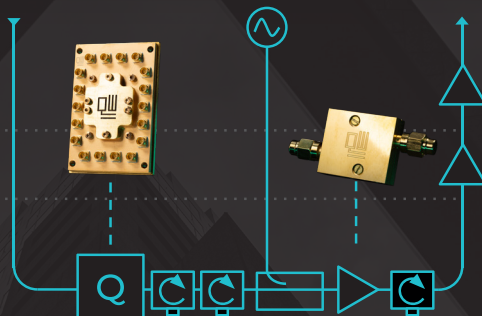
### SOPRANO-D2

5 interconnected and fully controllable qubits

Up to 2 isolated qubits

## Reliable quantum hardware with short delivery times

- ▶ Readout fidelity of 97.5%, fully multiplexed, when used with *Crescendo-S*
- ▶ Pre-delivery cryogenic characterisation, expert support on installation and use
- ▶ Ease of procurement, with short lead times



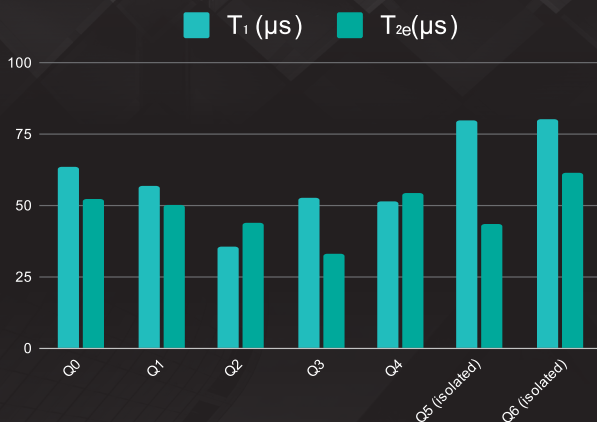
# Soprano-D

4-QUBIT OR 5-QUBIT QPU

Qubit performance at the state of the art

Reference device in  
QuantWare's setup

| $T_1(\mu s)$ | $T_{2R}(\mu s)$ | $T_{2E}(\mu s)$ | 1Q F  | 2Q F  | RO F  |
|--------------|-----------------|-----------------|-------|-------|-------|
| 60           | 40              | 48              | 99.9% | 99.7% | 97.5% |



Typical and guaranteed  
performance

|              | Typical<br>setup | Minimal<br>performance |
|--------------|------------------|------------------------|
| $T_1(\mu s)$ | 40               | >10                    |



QUANTWARE

WWW.QUANTWARE.COM