

Pulse Streamer 8/2

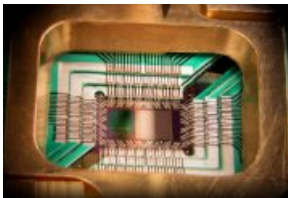
Software defined Pulse Pattern Generator

Features & Benefits

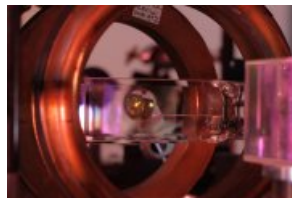
- Synchronous analog and digital output
- Define complex arbitrary pulse sequences with few lines of code
- Instant device upload and execution
- Modern and easy to handle API

Use cases

Circuit QED



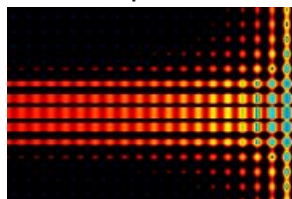
Cold atoms



Laser control generator



Data pattern



Specifications

Digital output

Output channels	8x SMA
Sampling rate	1 GHz
Output voltage	3.3 V into 50 Ω
Rise and fall time	< 2 ns

Analog Output

Output channels	2x SMA
Sampling rate	125 MHz
Output voltage	-1 to 1 V into 50 Ω

Pattern generation

Max. pattern length	10 M pulses
Repeat modes	1, N, infinite
Trigger modes	ext, int

General parameters

Dimensions	185 x 145 x 65 mm
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