
Common Questions

This appendix contains commonly asked questions and their answers relating to usage and special features of the NI 6703/6704.

Analog Output

How fast does the NI 6703 sample channels?

The NI 6703 devices have one 16-bit DAC that is time-division multiplexed to create 16 voltage output and two calibration channels. The channels are sampled at a rate of 50 μ s per channel, meaning a channel can change value a maximum of 0.9 ms after it has been updated by software.

How fast does the NI 6704 sample channels?

The NI 6704 devices have one 16-bit DAC that is time-division multiplexed to create 16 voltage output, 16 current output, and four calibration channels. The channels are sampled at a rate of 50 μ s per channel, meaning a channel can change value a maximum of 1.8 ms after it has been updated by software.