

Rev:A00

## Fast Z & RF Arbitrary Waveform Generation Module



The multi-channel arbitrary waveform generator ZRFC1611A002A has 16 independent output channels, and each channel can generate signal in DC-300MHz bandwidth. It has 16 bits vertical resolution and a maximum output amplitude of 6Vpp. This AWG supports multi-device synchronization and is scalable to hundreds of channels. It can be applied to quantum computing, radar communication and other fields.

### Technical requirements

Item	Specifications
Model	ZRFC1611A002A
Sampling rate	2 GSa/s
Wave output bandwidth	DC-300 MHz
Vertical resolution	16 bits
Number of channels	16
Output amplitude	6 Vpp
Waveform memory per channel	52 MSa
Rise time	< 4 ns
Output coupling	DC
Output impedance	50Ω
Jitter between channels	< 20 ps
Noise Power Spectral Density	<-138.8 dBm/Hz@2-500 MHz
Spurious-Free Dynamic Range	-42.5 dBc@100 MHz
Power consumption	230 W