

CRXVT



Port Extenders

Solid-state broadband radio frequency port extenders

X708-18A and X716-18A are designed for high-speed switching of RF signals in a coaxial path with impedance of 50 Ohm in the operating frequency range from 10 MHz to 18 GHz. Unused extender output ports are automatically switched to matched internal loads.

The extenders are used together with a vector network analyzer (VNA), which allows implementing the functionality of expanding the number of VNA measurement ports, as well as independent devices with power supply and control via the USB Type-B interface and the ability to quickly switch by means of trigger ports via BNC connectors.

Extenders are controlled by means of VISA library using SCPI commands. Switch Control (SWC) software is included in the delivery set for controlling extender via GUI interface.

Key Features:

- Solid-state benchtop RF-port extenders
- Models switch matrix configuration: 2 to 8, 2 to 16
- Remote control via SCPI (over USB)
- Fast switching by means of trigger ports
- Software for manual controlling (SWC)
- Optional software for multipoint measurement using Analyzer and Extender (coming soon)



www.crxvt.cn
+86 135 8191 0802

info@crxvt.cn
sales@crxvt.cn
support@crxvt.cn



CRXVT

Available models

	X708-18A	X716-18A
Form-factor	19" rack (2U)	19" rack (3U)
Frequency range	10 MHz to 18 GHz	
Number of input ports	2, N type, female	
Number of input ports	8, N type, female	16, N type, female
Insertion loss	≤10 dBm	
Maximum switching power	30 dBm	
Return loss of unselected port	≥ 17 dB	
Return loss of selected port	≥ 15 dB	
Signal isolation	≥ 92 dB	
Power supply	5 ±0.5 V	
Current consumption	< 200 mA	
Operation speed	switching time no more than 200 ns	
Control interface	USB B, BNC type trigger inputs	
Dimensions	Length x Width x Height	440 x 430 x 97 mm 440 x 430 x 142 mm
	Weight	5,5 kg (194 oz) 8 kg (282 oz)

