7703R4x1-RF, 7703R8x1-RF, 7703R16x1-RF

4x1 Switch, 8x1 Switch, 16x1 Switch, DC-3GHz

The 7703R4x1, 7703R8x1 and 7703R16x1 are bi-directional, low loss switches for signals from DC to 3GHz. Switch sizes are 4x1, 8x1 and 16x1 respectively. Control of the switch may be done locally at the card-edge with the built-in rotary encoder and dot-matrix display, or remotely through SNMP/VistaLINK®.

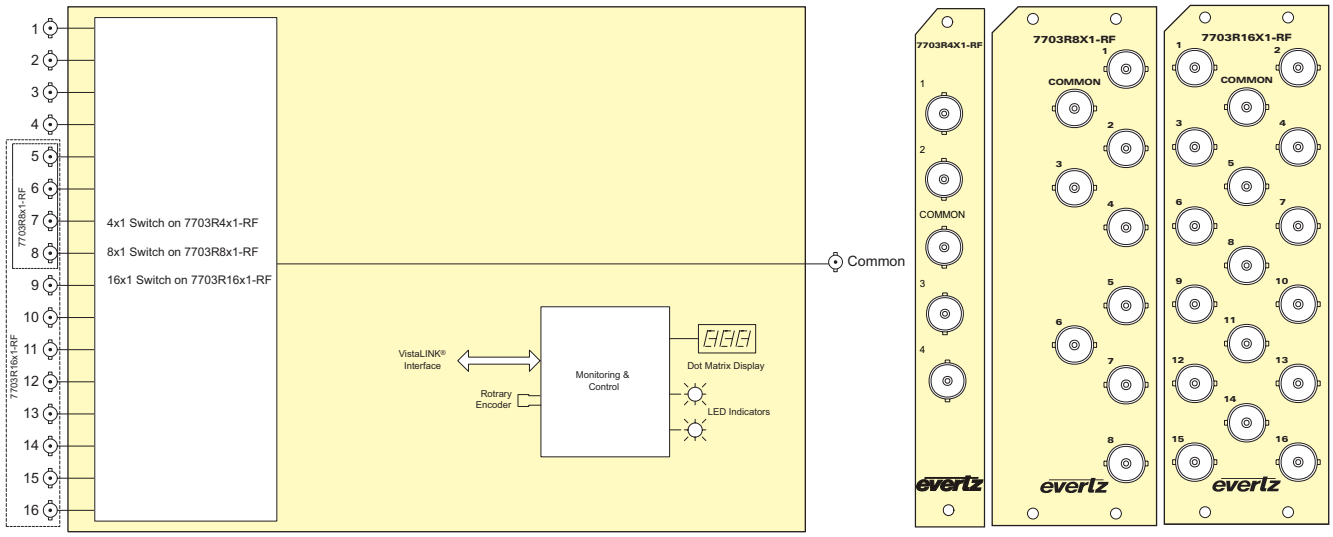
Applications include selecting from multiple signal sources and routing one to a piece of instrumentation such as an oscilloscope, spectrum analyzer or other signal analysis/monitoring equipment. Similarly, a single signal source may be routed to any one of multiple connected receiving devices for applications such as antenna switching.

The 7703R4x1, 7703R8x1 and 7703R16x1 are ideal for use any facility where signal switching is required, or in automated testing applications.

The 7703R4x1 occupies one card slot and the 7703R8x1 and 7703R16x1 occupy two card slots and can be housed in a 1RU frame that will hold up to 3 modules, a 3RU frame that will hold up to 7 modules, a 350FR portable frame that will hold up to 3 modules or a standalone enclosure which holds 1 module.

Features & Benefits

- Low insertion loss and high return loss to preserve original signal integrity
- Unused ports automatically terminate to 75Ω (AC coupled)
- Latching relays conserve power usage in the latched state and maintain position in the event of power loss to the card or frame
- Modular, front accessible and hot-swappable - can be conveniently removed from the frame without disconnecting wiring for greatly simplified servicing
- 4x1, 8x1 and 16x1 versions available to accommodate different sized requirements
- DC - 3GHz bandwidth allows switching of many signal types including RF (L-Band, 70/140MHZ IF, CATV, etc.) analog or digital video or audio, serial digital such as DS3, etc.
- Will pass DC LNB power for antenna switching or similar applications
- Controllable via industry standard SNMP allowing easy integration into facilities or automated test setups
- Comprehensive card status monitoring and control via four digit card edge display and rotary encoder or remotely through SNMP and VistaLINK®



Specifications

Signal Input/Output

Number of Ports:

7703R4x1:	4 + 1 Common
7703R8x1:	8 + 1 Common
7703R16x1:	16 + 1 Common
Connector Type:	BNC per IEC 61169-8 Annex A (F-Type optional)
Impedance:	75Ω
Bandwidth:	DC - 3GHz
Insertion Loss:	
DC - 1.0GHz:	< 1.0dB
DC - 2.25GHz:	< 1.9dB
DC - 3GHz:	< 2.2dB
Return Loss:	
DC - 3GHz:	> 14dB
Isolation:	
DC - 1.0GHz:	> 50dB
DC - 2.25GHz:	> 44dB
DC - 3GHz:	> 43dB

Switching

Switching Time:	<11ms
Max Voltage:	30V
Max Current:	500mA

Electrical:

Voltage:	12V DC
Power:	6W

Physical (number of slots):

(7703R8x1&7703R16x1)

350FR:	2
7700FR-C:	2
7800FR:	2

(7703R4x1)

350FR:	1
7700FR-C:	1
7800FR:	1

Ordering Information

7703R4x1-RF	4x1 Switch, DC-3GHz, VistaLINK®
7703R8x1-RF	8x1 Switch, DC-3GHz, VistaLINK®
7703R16x1-RF	16x1 Switch, DC-3GHz, VistaLINK®

Ordering Options Rear Plate must be specified at time of order
Eg. Model +3RU

Rear Plate Suffix

+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Connector Suffix

+F75	75Ω F-Type Rear Connector

Enclosures

350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7800FR	3RU Multiframe which holds up to 15 single slot modules
7801FR	1RU Multiframe which holds up to 4 single or 2 dual slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure

Contact factory for control options for cascading switches up to 256x1.