EX71HD HIGH-DENSITY, MODULAR 26.5 GHZ MICROWAVE SWITCH

EXPERIENCE THE MODULARITY OF LXI

modularity and density

The EX71HD is the highest density microwave switching platform in the industry and is designed to address applications that require non-latching relays and an operating range of up to 26.5 GHz. Any combination of up to twelve building blocks can be housed in a single 1U rack LXI Class A enclosure. Building block topologies include dual SPDTs, SP4T, SP6T, and transfer switches, as well as a 6-line pass through adapter that can be used to drive external circuitry.
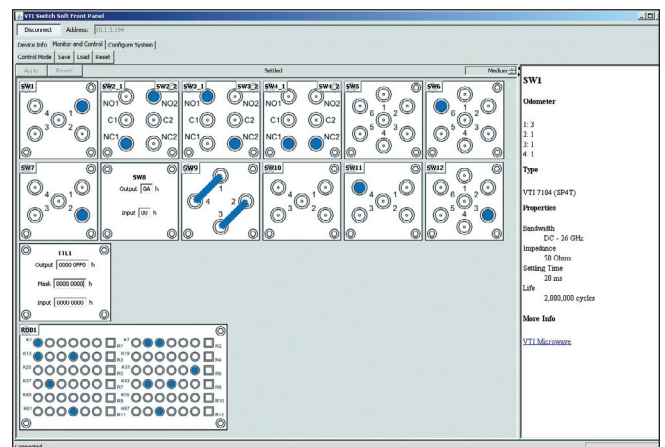
To configure your switch simply follow these three steps

Step 1 Start with the EX71HD base unit. It holds up to twelve microwave building blocks in one 1U rack (1.75") height.

Step 2 Select up to twelve microwave building blocks

Step 3 Contact VTI Microwave for price and delivery

intuitive command and control

The EX71HD software architecture has been developed to allow it to be easily integrated with other GPIB, PXI, VXI, or LXI instruments. The software drivers are based on the IVI industry standard and can be used within virtually any application development environment in addition to Windows and Linux operating systems. An intuitive graphical web-based interface provides the necessary tools for controlling and monitoring an EX71HD through local or remote access using familiar web browsers.

The EX71HD leverages the EX7000-OEM feature set and provides users with tools that can enhance the efficiency of their application, such as scan lists, exclude lists, programmable MBB and BBM, pre-defined configuration storage, LXI Class A Trigger Events and IEEE-1588 synchronization and triggering, and TTL I/O control of other devices.

EX71HD Monitor and Control Panel

FEATURES

- Combine up to 12 fail-safe building blocks, dual SPDT, SP4T, SP6T, or transfer switch in a compact 1U footprint

- Front "pluggable" relays facilitate field maintenance

- Embedded web interface provides interactive utility to monitor and control relays from anywhere in the world

- Flexible API supports IVI and Linux development environments minimizing software investment

- LXI Class A Trigger Event implementation provides seamless test synchronization with external devices

- Store up to 128 relay state configurations for quick recall, including an automatic power-up state

- Define exclude lists to avoid setting an undesirable configuration

- Relay odometer tracks closures to facilitate preventative maintentance

SCALABLE
OPEN-ARCHITECTURE
MICROWAVE SOLUTIONS

EX71HD with 12 multi-throw 26.5 GHz relays

Specifications

	VSWR	Insertion Loss	Isolation
DC-4 GHz	1.20:1	0.20 dB	80 dB
4-8 GHz	1.30:1	0.30 dB	75 dB
8-12 GHz	1.40:1	0.40 dB	70 dB
12-18 GHz	1.50:1	0.60 dB	60 dB
18-26 GHz	1.60:1	0.60 dB	55 dB

Switching Time	<15 ms
RF Impedance	50 ohm
Connector	SMA
Life Span	1 million cycles
Dimensions	43.9mm (1.8") H x 439.0mm (17.3") W x 450.0mm (17.8") D

Ordering Information

Model	Relay Type
EX71HD	1U LXI Class A Mainframe (up to 12 building blocks.)
7100	"Pass through adapter, 6 drive lines"
7102	Dual SPDT
7104	SP4T
7106	SP6T
7122	Transfer