Universal Switching Corporation

Specification Sheet SLM16-001
High Performance 850-2450MHz L-Band Matrix
Up to 16-In, 16-Out Switching Array
System SLM16(i): Fan-OUT or Fan-IN Versions - 1RU

March 2018

General

Today's communication installations demand dependable and high performance equipment at an affordable price. The SLM16 compact L-Band matrix unit provides an uncompromising combination of high performance and high reliability switching coupled together for 850-2450MHz performance. Standard redundant power supplies with independent AC inputs deliver the ultimate in system reliability for critical applications.

Compact (1RU) and high performance, the unit provides a cost effective switching capacity for smaller installations. The SLM16 is a distributive non-blocking (Fan-OUT) design that can be ordered in an 8x8 array size, or 16x16 . The SLM16i combiner version (Fan-IN) can also be ordered as an 8x8 or 16x16 configuration.

Complete control and status of the unit is available at the built-in web browser, front panel, or via the included RouteWarePRO software package.

Since 1992
Quality Innovation Commitment
ISO 9001:2008 Certified

SNMP

LXI

IPv6

ROUTEWARE PRO 5.0

Download our Monitor & Control software **RouteWarePRO** for a FREE 30-day trial today!

Applications

- Ground station and infrastructure facilities
- Communication installations
- ENG trucks and vans
- Airborne surveillance systems
- Teleport and last mile installations
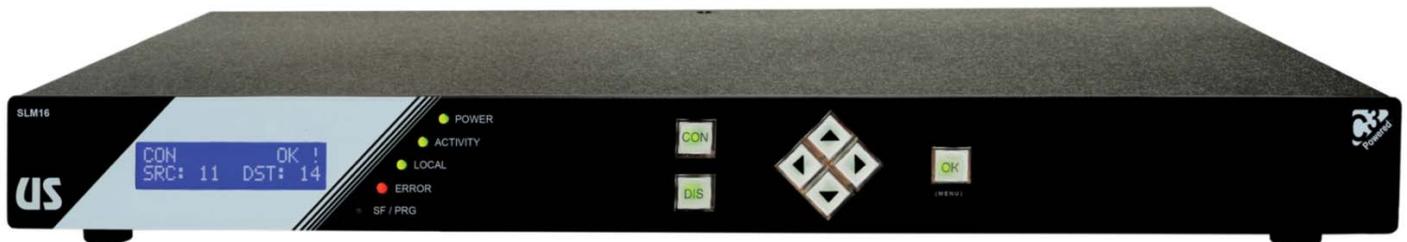- SatCom receiver routing for transmit or receive

Features

- High reliability Gen-5 GaAs switch technology
- SMA or BNC signal connector types
- Impedance 50 or 75 ohm
- Redundant power supplies
- Dual independent AC circuits
- Available in distributive Fan-OUT or Fan-IN (combiner)
- Ethernet control port (10/100)
- Multi-serial port (RS-232C/422A/485)
- Built-in scheduler for automated actions
- SNMP v1/v2, TCP/IP, SNTP and web browser control
- Built-in diagnostics
- Variable (programmable) gain
- International AC power input
- RouteWarePRO software is included (single license)
- LabVIEW drivers available

Model	Type	Conn	Imped	Dual PS	AC inputs
SLM16-50A-001	Fan-OUT	SMA	50	Yes	2
SLM16-50C-001	Fan-Out	BNC	50	Yes	2
SLM16-75C-001	Fan-OUT	BNC	75	Yes	2
SLM16i-50A-001	Fan-IN	SMA	50	Yes	2
SLM16i-50C-001	Fan-IN	BNC	50	Yes	2
SLM16i-75C-001	Fan-IN	BNC	75	Yes	2

Made in the USA

CON OK !
SRC: 11 DST: 14

POWER
ACTIVITY
LOCAL
ERROR
SF / PRG

CON
DIS
OK (MENU)

Model SLM16
L-Band 16x16
1RU

SLM16-001

7671 North San Fernando Road | Burbank CA 91505 USA
Phn: +1 818-381-5111   Fax: +1 818-252-4846   Email: sales@uswi.com   Web: uswi.com   @US_Corp

Page 1

System Control Software - INCLUDED

The SLM16 comes with our RouteWarePRO control software package that will get you up and running. Within minutes, you can install the software and start controlling the SLM16 switching system remotely.

The user can customize the GUI on the fly, or by editing simple text files. Screen colors, input and output channel designations, panel names and labels can be easily added or changed too, or even the title displayed at the top of the GUI. Examples are provided on the installation media and videos are on our website.
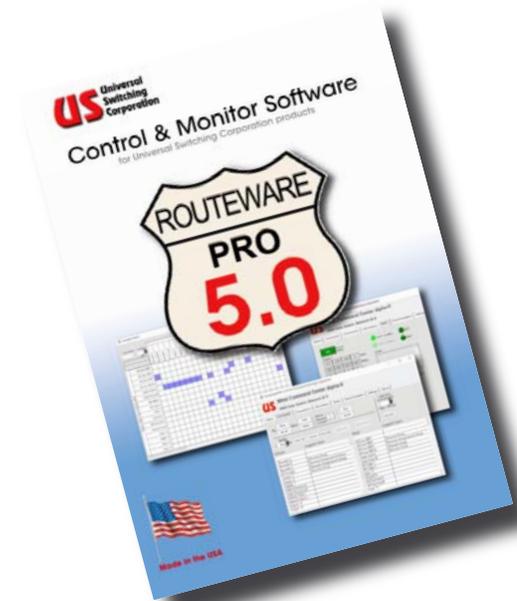
System SLM16(i) Specifications

Array size . . . . .16in x 16out array
Switching technology . . . . . . .Solid-state GaAs elements
Type of system . . . . .Non-blocking Fan-OUT, or Fan-IN
Architecture . . . . .Fixed size
Signal connector location . . .Rear panel

I/O Characteristics **

Frequency range . . . . .850 - 2450MHz
Impedance . . . . .50 ohm (75 optional)
Coupling . . . . .AC
Gain . . . . .Unity (nominal)
Programmable gain . . . .+20dB, -10dB minimum
Flatness . . . .<+/-2.0dB, +/-0.35dB 40MHz segment
Isolation . . . .>60dB (I/I, O/O, I/O)
Input return loss . . . .>14dB typ
Output return loss . . . .>14dB typ
-1dB compression . . . .>0dBm min
Noise Figure . . . .<18dBn @ 0dB gain
Output IP3 . . . .>10dBm
Signal connector . . . . .SMA(f) or BNC-50, BNC-75

** NOTE 1: If special or unique performance or features are required, the base model number is used plus a unique 5-digit suffix.

General Specifications

Switching speed . . . .<10mS
Power supply section . . . . .Redundant
Power supply monitoring . . . .Included
Ethernet port . . . . .10/100BaseT, SNMP v2 and TCP/IP
Status LED's . . . . .Front panel
Front panel display . . . . .LCD
Configuration memory . . . . . .FLASH
Cooling . . . . .Fan assisted
AC power requirements . . . . .90-264VAC, 47-440Hz, <100 Watts
Line protection . . . . .Fuses
Weight . . . .<14 lbs
Size . . . . .1.72H x 23.50D x 19.00W (1RU)
Operating temp . . . . .0 to +50C
Non-operating temp . . . .-20 to +85C
Humidity . . . . .0 to 95% (NC @ +25C)
MTBF . . . .>135,000 hours (estimated)
Warranty . . . . .2 years
Certifications . . . . .CE EN61010