



# TSMS2150X

Series

## Rack-Mounted Satellite Multiswitches



- Wide frequency range (TSMS2150-16A 950-2150MHz; TSMS2150-8AUV 40-2150MHz)
- Simple interface design provides 2 satellite polarity inputs and 8 or 16 outputs, for quick installation
- All rear panel connection access allows rack or wall mount flexibility
- PIN diode matrix reduces polarity transfer time and digital artifacts providing consistent picture quality
- Polarity is selected by receiver supplied voltage (14V/18VDC) compatible with most DTH satellite services
- Antenna signal combines with satellite on output eliminating external combining, reducing cost and clutter
- 500 mA voltage power pass-through reduces cost by providing satellite receiver path for LNB power
- Built-in amplifier compensates for insertion losses reducing need of external amplification
- External UL Approved power supply reduces heat buildup thus increasing unit life

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## Rack-Mounted Satellite Multiswitches

**Pico Macom's TSMS-2150X Series** rack-mounted satellite multiswitches can be used in every SMATV application requiring satellite 950-2150MHz IF distribution. The easy mount enclosure and all rear panel connections provide for rack mounting or quick and easy wall mounting by simply turning the unit face to the wall. The **TSMS-2150X-8AUV** allows 2 LNB inputs and 1 off-air antenna input (40-806 MHz) and provides 8 outputs, while the **TSMS-2150X-16A** allows 2 LNB inputs and provides 16 outputs. The advanced circuit design incorporates a pin diode matrix to route any of the inputs to any of the outputs by utilizing the 13-14V Right-Circular/Vertical or 17-18V Left-Circular/Horizontal switching control supplied by the satellite receivers, thus eliminating digital artifacts that result from mechanical relay switching. To compensate for insertion loss, both versions use separate built-in amplifiers for satellite and/or VHF/UHF signals. The **TSMS-2150X** series, used with the external power supply, will supply power to the LNBs reducing heat build up within the multiswitch and prolong the life of the unit.

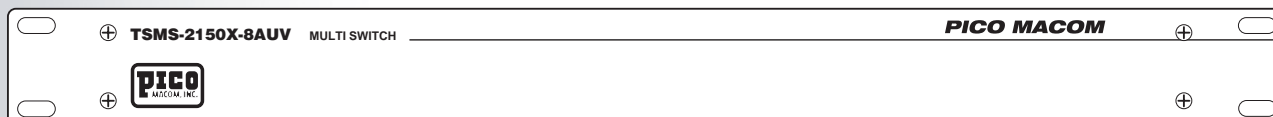
Order From:



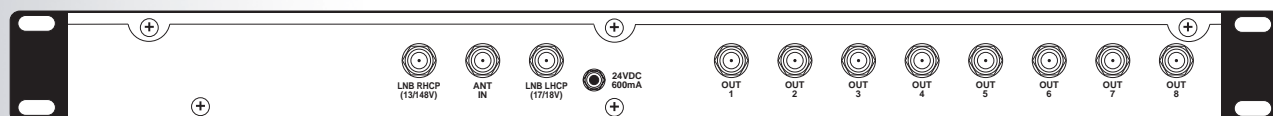
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# TSMS2150X Series

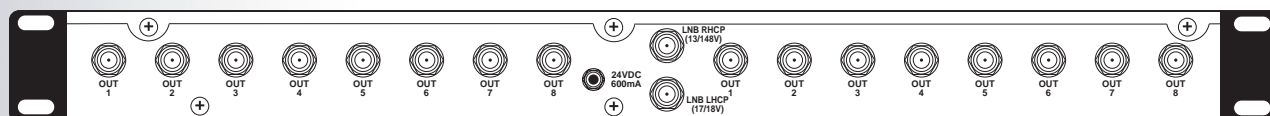
## Rack-Mounted Satellite Multiswitches



Front View



TSMS2150X-8AUV Rear View



TSMS2150X-16A Rear View

## Specifications

LNB Input Frequency:	950-2150 MHz
Switching Voltage:	13-14 VDC - RHCP 17-18 VDC - LHCP
External Power Adaptor:	24 VDC 600mA
DC Passing Capacity:	500 mA
Connectors:	"F" type
Weight (without AC Adaptor):	5.1 lbs.
TSMS-2150X-8AUV	4.5 lbs.
TSMS-2150X-16AUV	5.1 lbs.
Dimensions:	19"(L) x 2.87"(D) x 1 3/4"(H)

### TSMS2150X-8AUV

TV Antenna Input Frequency:	40-860 MHz
Insertion Loss:	
950-1750 MHz	-6 dB minimum
1750-2150 MHz	-10 dB
40-860 MHz	-4 dB typical
Isolation:	
Horizontal/Vertical	-25 dB
Output-to-Output	-14 dB

### TSMS2150X-16A

Insertion Loss:	
950-1750 MHz	-8 dB typical
1750-2150 MHz	-13 dB typical
2050-2150 MHz	-16 dB typical
Isolation:	
Horizontal/Vertical	-20 dB
Output-to-Output	-12 dB

## Output Level

Total # of Channels	Max. Input Level	Max. Output Level
7	17 dBmV	-4 dBmV
15	8 dBmV	-6 dBmV

## Ordering Information

**TSMS-2150X-8AUV** 8 Outputs

**TSMS-2150X-16AUV** 16 Outputs

Order From:



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