

MS 9x Multiswitches



MS 9x series stand-alone multiswitch

1. 8 satellite polarities and 1 terrestrial input, combined output.
2. Versions for 4, 8, 12, 16, 24, 32 subscriber outputs.
3. Low power consumption.
4. Small footprint, compact design, fits into tight spaces.
5. Best picture quality due to low noise technology.
6. Active terrestrial input.
7. MS 9x series of our multiswitch system offers unique subscriber benefits in terms of performance individual freedom.
8. External power supply.



Technical data

Stand-Alone multiswitches with 8 polarities, 1 terr. Input. External power supply.

TYPE		MS9x4	MS9x8	MS9x12	MS9x16	MS9x24	MS9x32
Number of inputs		8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER
Subscriber outputs		4	8	12	16	24	32
Connectors	F-con	female	female	female	female	female	female
Frequency range SAT	MHz	950-2150	950-2150	950-2150	950-2150	950-2150	950-2150
Frequency range TER	MHz	47-862	47-862	47-862	47-862	47-862	47-862
Gain SAT	dB	2	2	2	0	0	0
Gain TER	dB	-2	-2	-2	0	-2	-2
Isolation TER to SAT	dB	28	28	30	28	28	28
Isolation SAT to TER	dB	30	30	30	30	30	28
Isolation cross polarisation H/V	dB	28	28	28	28	25	25
Isolation out - out TER	dB	30	28	28	28	28	28
Isolation out - out SAT	dB	30	35	35	35	35	35
Return loss SAT inputs	dB	14	14	14	14	10	10
Return loss SAT outputs	dB	7	7	7	7	10	10
Return loss TER inputs	dB	11	11	11	11	12	12
Return loss TER outputs	dB	8	8	8	8	10	10
Output level SAT (IMD3-35dB)	dB	100	101	101	101	100	100
Output level TER (IMD3-60dB)	dB	88	85	85	85	83	82
Impedance input/output	Ohm	75	75	75	75	75	75
Switching	VDC	13 V - 18 V 13 V / 22 kHz - 18 V/22 kHz DiSEqC 2.0					
Supply voltage	VDC	18					
Power supply	VDC	External power adaptor					
LNB power supply max	mA	1500	1500	1500	1500	1500	1500
Temperature	°C	-10~60	-10~60	-10~60	-10~60	-10~60	-10~60

MS 9x series cascade Multiswitches



Fulfilling subscriber needs the most efficient way

1. 8 satellite polarities and 1 terrestrial input, combined output.
2. Versions for 8,12,16,24,32 subscriber outputs.
3. Low power consumption.
4. Small footprint, compact design, fits into tight spaces.
5. Best picture quality due to low noise technology.
6. Active terrestrial input.
7. Wide range of launch and line amplifiers available



Technical data

Cascade multiswitches with 8 polarities, 1 terr. Input.

TYPE		MS9x4C	MS9x8C	MS9x12C	MS9x16C	MS9x24C	MS9x32C
Number of inputs		8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER
Number of trunk outputs		8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER	8 SAT,1TER
Subscriber outputs		4	8	12	16	24	32
Connectors	F-con	female	female	female	female	female	female
Frequency range SAT	MHz	950-2150	950-2150	950-2150	950-2150	950-2150	950-2150
Frequency range TER	MHz	47-862	47-862	47-862	47-862	47-862	47-862
Gain SAT (with 5 dB slop)	dB	-3 to 2	-3 to 2	-3 to 2	-3 to 2	-3	-3
Gain TER	dB	-9	-9	-9	-9	-9	-9
Insertion loss trunkline SAT	dB	2	3	4	4	4	4
Insertion loss trunkline TER	dB	4	4	5	5	5	5
Isolation LNB to LNB	dB	35	35	35	35	35	35
Isolation TER - SAT	dB	23	23	23	23	23	23
Isolation SAT - TER	dB	28	28	28	28	28	28
Isolation cross polarisation H/V	dB	28	28	28	28	28	28
Isolation out - out TER	dB	28	28	28	28	28	28
Isolation out - out SAT	dB	30	30	30	30	30	30
Return loss SAT inputs	dB	13	13	13	13	13	13
Return loss SAT outputs	dB	8	8	8	8	8	8
Return loss TER inputs	dB	11	11	11	11	11	11
Return loss TER outputs	dB	8	8	8	8	8	8
Output level SAT (IMD3- 35 dB)	dBuV	100	100	100	100	100	100
Output level TER (IMD3- 60 dB)	dBuV	88	88	88	88	88	88
Impedance input/output	Ohm	75	75	75	75	75	75
Switching commands	VDC/ kHz	13 V - 18 V 13V - 22 kHz / 18 - 22 kHz, DiSEqC 2.0					
Switching voltage	V	15					
Max. current pass per F-con	mA	500	500	500	500	500	500
Temperature	°C	-10~60	-10~60	-10~60	-10~60	-10~60	-10~60