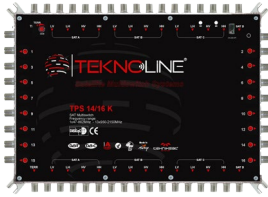
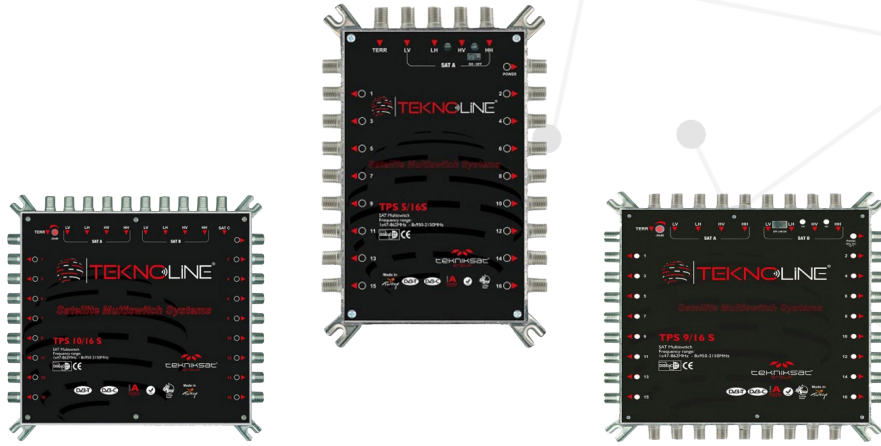


# MULTISWITCH

## Central Satellite Systems



**10** Series

**17** Series

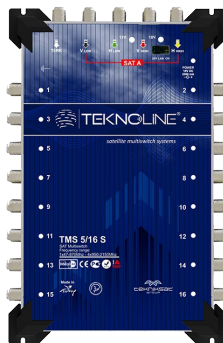


**5** Series



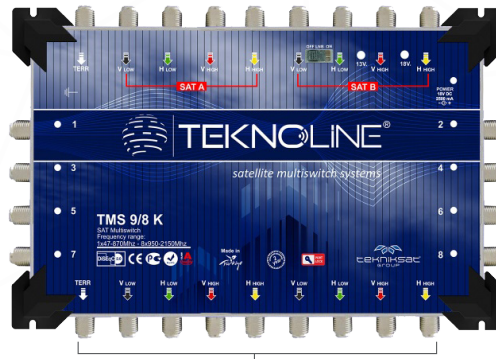
**14** Series

**9** Series

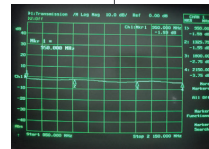


## General Features

- High insulated from each individual subscriber outputs
- High insulated SMPS power supply
- Able to work on low signals due to the high gain on subscriber outputs
- Easy and compact installation
- Low power usage due to new generation smd components
- LNB supply feature 13 - 18V
- Quad & Quattro LNB usage feature
- Up to 100 volt subscriber port protection
- 100 m distribution length per subscriber
- Led subscriber control system
- 1 dB gain between first and last subscriber
- 13-18V 22 KHz circuit



Subscriber Output



Cascade Output



TECHNICAL SPECIFICATIONS		TMS 9X8 K	TMS 9X8	TMS 9X12 K	TMS 9X12	TMS 9X16 K	TMS 9X16
Input	SAT/IF Terr.	8 1	8 1	8 1	8 1	8 1	8 1
Subscriber Outputs		8	8	12	12	16	16
Frequency range	SAT/IF Terr.	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz
Terr Amplifier	Terr.	23...25dB	23...25dB	23...25dB	23...25dB	23...25dB	23...25dB
Gain	SAT/IF Terr.	+3dB±1 -1dB±1	+3dB±1 -3dB±1	+3dB±1 -3dB±1	+3dB±1 +1dB±1	+3dB±1 -3dB±1	+3dB±1 +1dB±1
Equalizer	SAT	+4dB±1	+4dB±1	+4dB±1	+4dB±1	+4dB±1	+4dB±1
Cascade Loss	SAT/IF Terr.	-2dB±1 -5dB±1		-2dB±1 -5dB±1	-2dB±1 -5dB±1	-3dB±1 -5dB±1	
Max. Signal Input	SAT/IF Terr.	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV
Max. Signal Output	SAT/IF Terr.	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV
Return Loss	Inputs/Outputs	10dB/14dB	10dB/14dB	10dB/14dB	10dB/14dB	10dB/14dB	10dB/14dB
Insulation	SAT/SAT SAT/Terr.	>33dB >37dB	>33dB >37dB	>33dB >37dB	>33dB >37dB	>33dB >37dB	>33dB >37dB
LNB		Quattro	Quattro	Quattro	Quattro	Quattro	Quattro
Current on Subscriber Output		48mA	48mA	48mA	48mA	48mA	48mA
Current on System		130mA	130mA	130mA	130mA	130mA	130mA
The current on system with LNB		630mA	630mA	630mA	630mA	630mA	630mA
Operating temperature		-15...+40°C	-15...+40°C	-15...+40°C	-15...+40°C	-15...+40°C	-15...+40°C
Dimensions		200x135x45	200x135x45	200x160x45	200x160x45	200x190x45	200x190x45
Weight		520 gr.	520 gr.	645 gr.	645 gr.	770 gr.	770 gr.

# 9 SERIES MULTISWITCH



Subscriber LED



TECHNICAL SPECIFICATIONS		TMS 9X20 K	TMS 9X20	TMS 9X24 K	TMS 9X24	TMS 9X32 K	TMS 9X32
Input	SAT/IF Terr.	8 1	8 1	8 1	8 1	8 1	8 1
Subscriber Outputs		20	20	24	24	32	32
Frequency range	SAT/IF Terr.	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz	950-2150Mhz 47-870 Mhz
Terr Amplifier	Terr.	23...25dB	23...25dB	23...25dB	23...25dB	23...25dB	23...25dB
Gain	SAT/IF Terr.	+3dB±1 -3dB±1	+3dB±1 +1dB±1	+3dB±1 -3dB±1	+3dB±1 +1dB±1	+2dB±1 -8dB±1	+2dB±1 -4dB±1
Equalizer	SAT	+4dB±1	+4dB±1	+4dB±1	+4dB±1	+4dB±1	+4dB±1
Cascade Loss	SAT/IF Terr.	-3dB±1 -5dB±1		-3dB±1 -5dB±1		-5dB±1 -5dB±1	
Max. Signal Input	SAT/IF Terr.	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV	98dBµV 81dBµV
Max. Signal Output	SAT/IF Terr.	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV	102dBµV 85dBµV
Return Loss	Inputs/Outputs	10dB/14dB	10dB/14dB	10dB/14dB	10dB/14dB	10dB/14dB	10dB/14dB
Insulation	SAT/SAT SAT/Terr.	>33dB >37dB	>33dB >37dB	>33dB >37dB	>33dB >37dB	>33dB >37dB	>33dB >37dB
LNB		Quattro	Quattro	Quattro	Quattro	Quattro	Quattro
Current on Subscriber Output		48mA	48mA	48mA	48mA	48mA	48mA
Current on System		130mA	130mA	130mA	130mA	260mA	260mA
The current on system with LNB		630mA	630mA	630mA	630mA	760mA	760mA
Operating temperature		-15...+40C°	-15...+40C°	-15...+40C°	-15...+40C°	-15...+40C°	-15...+40C°
Dimensions		200x230x45	200x230x45	200x275x45	200x275x45	200x320x45	200x320x45
Weight		825 gr.	825 gr.	1120 gr.	1120 gr.	1370 gr.	1370 gr.

# TMS 17/16

4 Satellites 160 Subscribers  
Central Distribution Diagram

