

# Multiswitch 2 x SAT, 1 x TER, 1 x Backfeed, 19" Rack Mount 10MM-MST316-19



*For the Best*

## Features and Benefits

- » Inputs: 2 x Satellite, 1 x Terrestrial, 1 x Backfeed (SAT1 and TER switchable SEP/COMB)
- » Frequency 47-2150MHz
- » Electrostatic protection
- » LNB and Masthead amplifier powering
- » Power supply included
- » Compatible with MST, DDA and MDS



## 10MM-MST316-19 Specifications

		Typical	QC Limit	Remark	
Frequency Response	TER	88-694MHz			
	BF	500-694MHz			
	SAT	950-2150MHz			
Inputs	SAT/TER. + TER. + BF + SAT			F Type Female Connector	
Outputs	EN300744	16 Taps			
Insertion Gain	TER/SAT/BF	0dB	≥ -2dB		
Isolation	Switching	25dB	≥ 23dB	950-2150MHz	
	SAT-TER	28dB	≥ 25dB	88-694MHz	
	SAT 1/TER		27dB	≥ 25dB	721MHz @ 694MHz
		TER	27dB	≥ 25dB	721MHz @ 694MHz
Isolation OUT-OUT	TER/BF	39dB	≥ 37dB	862MHz @ 694MHz	
	SAT	22dB	≥ 20dB		
Return Loss	SAT/TER/BF Input	10dB	≥ 8dB		
	SAT/TER/BF Output	8dB	≥ 6dB		
Max. Output Level	TER/BF	85dB $\mu$ V Max			
	SAT	103dB $\mu$ V Max			
Power to LNB		13V/18V DC		@ DC IN or Outputs	
LNB Power Capability		500mA Max			
Terrestrial Signal Source		Combined/Seperate Inputs		Dip Switch	
Dip Switch for 14V to TER		0V DC/14V DC		Default Setting: 0V DC	
ESD Protection		SAT/TER, TER, BF		@ DC IN or Outputs	
Power Consumption Without LNB		290mA Maz		@ Receivers/DC IN	
External Power Supply		1A Max @ 18V DC		10MM-PSM18F	
Power Indicator		Green LED			

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19" Rack Mount  
10MM-MST316-19**



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	10MM-DDA14C	10MM-DDA24	10MM-DDA34	10MM-DDA28	10MM-MST308	10MM-MST316-19	30MM-MST316
4G/5G/LTE Filtered	✓						
Power Supply Included	10MM-PSM18F						
PWR Injector		✓		✓	✓	✓	✓
A-Port	✓	✓	✓	✓			
B-Port		✓	✓	✓			
C-Port Backfeed	✓	✓	✓	✓			
TER Powering		✓		✓			
SAT Powering	✓	✓	✓	✓	✓	✓	✓
SAT/TER Combine Switch		✓		✓	✓	✓	✓
SAT1					✓	✓	✓
SAT2					✓	✓	✓
Outputs	4	4	4	8	8	16	16
Wall Friendly	✓	✓	✓	✓	✓		✓
Hub Friendly	✓	✓			✓		✓
Rack Friendly						✓	
Dimensions (WxHxD)	85 x 110 x 35 mm	85 x 110 x 35 mm	85 x 110 x 35 mm	115 x 265 x 45 mm	125 x 335 x 45 mm	215 x 490 x 45 mm	130 x 340 x 70 mm

- A-Port Connection for Satellite dish
- B-Port Connection for Terrestrial antenna, UHF and FM
- C-Port Connection for a modulated signal (10MM-MT67/68) so it can combine with A and B ports and be available on all outputs
- TER Powering The TER 14V power switch allows powering of a masthead amplifier connected to B/TER-port, if no masthead amplifier used switch to "0"
- SAT Powering All DDA/MST products produce 18VDC from A/SAT1 ports to power a satellite dish, LNB
- SAT/TER Combine When your UHF aerial is connected to B/TER port then switch is set to SEP (separate).  
When Satellite and Terrestrial are combined on same cable they connect to A/SAT1-TER port and switch set to COMB (combined). Regardless of this setting SAT/TER/BACK-feed are combined on output
- SAT1 Used on the MST range and designed to connect to the main satellite dish looking at Optus D1 Horizontal for SKY and FreeView satellite
- SAT2 Used to connect to a second satellite, this port produces 13VDC to select Vertical on the satellite. If the 13MM-KF15 LNB is used then Vertical and Horizontal can be received at the same time.
- Outputs The amount of outlets that can be connected to switch
- Wall Friendly Best used on a wall with inputs on left and outputs down the bottom
- Hub Friendly The 30MM-MST316 and 10MM-MST308 are designed to mount within a hub with all ins/outs on top for ease of cable management. The DDA-4-port units are small enough to still be mounted in a hub
- Rack Friendly Designed specifically to mount in a 19" communications rack. It occupies 1RU and has adjustable mounting frames so depth can be adjusted.
- Powering All DDA/MST products come complete with 1AMP 18VDC regulated power supply. All units can be powered locally or powered remotely over the coax from any of the outlets connected to any of the outputs.  
All DDA/MST products come complete with a power injector, except the DDA14C, for this purpose.