



Fibre Optics

Matchmaster provides an extensive range of IP and fibre solutions for RF overlay and distribution. Simple IP solution using SAP protocol without the need for middleware through to advanced hospitality solutions. Simple fibre solutions for CATV and L-band in 1310nm and 1550nm wavelengths including DWDM solutions for 5 wire over single fibre distribution.

Fibre Optics

Terr/SAT Fibre Receiver 20MM-OD004A

Features and Benefits

- » Compact for cost sensitive installations with extended frequency range 2400MHz
- » Electronic setting of all parameters
- » AGC based on optical input level
- » Digital indication of optical input level and other parameters
- » Connectors: RF output - type F, optical - SC/APC
- » Mains powered or 10-20VDC powering through RF output



20MM-OD004 Specifications

Wavelength	1100nm - 1600nm
Fibre	Single Mode 9/125µm
Optical Connector	SC/APC
Required Received Power	-7 - +2dBm
Output Impedance	75 Ohm
Output Return Loss	>18dB
Transmission Bandwidth	47-2400MHz
Controlled Output Level (42 ch, CENELEC)	78-80dBµV
Attenuator Adjustable	0-10dB (0.5dB Steps)
RF Test Point at Output	-20dB
Operating Voltage	187-250 VAC-4W 10-20VDC-2W
Connectors	F-Type

Optical TX SMATV

Features and Benefits

- » This unit offers high power output at 6dBm (10dBm for 20MM-MO428L-4D55-1550) extending your design reach can be ordered as 1310nm to 1550nm wavelength
- » LAN control offers WEB monitoring and management of the device
- » Uses the industry standard connector SC/APC for optical connection
- » LAN control connector is the RJ45 industry standard connector
- » Mounts on the Terra AT series 19" IRU frame
- » Complimenting these units are the fully redundant power supplies, UP412 and UP413



Product Code	Description
20MM-MO418L-4D55-1550	1550nm Single 6dBm
20MM-MO428L-4D55-1550	1550nm Twin 6dBm

Fibre Optics

Optical Splitters

Features and Benefits

- » Good stability and reliability
- » Excellent polarization insensitivity
- » Operating wavelength: 1310nm or 1550nm
- » Low insertion loss
- » High directivity



Product Code	Description
20MM-OSP-1*2-S-SC	2 Way (Stand Alone)
20MM-OSP-1*4-S-SC	4 Way (Stand Alone)
20MM-OSP-1*6-S-SC	6 Way (Stand Alone)
20MM-OSP-1*8-S-SC	8 Way (Stand Alone)
20MM-OSP-1*16-S-SC	16 Way (Stand Alone)
20MM-OSP-1*2-19NZ	2 Way 1-RU-19" (Rack-Mount)
20MM-OSP-1*4-19NZ	4 Way 1-RU-19" (Rack-Mount)
20MM-OSP-1*6-19NZ	6 Way 1-RU-19" (Rack-Mount)
20MM-OSP-1*8-19NZ	8 Way 1-RU-19" (Rack-Mount)
20MM-OSP-1*12-19NZ	12 Way 1-RU-19" (Rack-Mount)
20MM-OSP-1*16-19NZ	16 Way 1-RU-19" (Rack-Mount)
20MM-OSP-1*32-19NZ	32 Way 1-RU-19" (Rack-Mount)

Fibre EDFA 12.5dBm 2 Output, 32 Nodes 20MM-HA51162

Features and Benefits

- » Produces 16dBm of power
- » Used with a 16-way optical splitter in Analogue/Digital system
- » Used with a 32-way optical splitter in a digital only system



Optical Splitters (Module)

Features and Benefits

- » AT series optical splitters offer a range of configurations with single and twin inputs and outputs
- » Uses the industry standard connector SC/APC for optical connection
- » Mounts on the AT series 1RU frame
- » Compact design for low density use of rack space



Product Code	Description
20MM-SO414	1x4 with 7dB Insertion Loss
20MM-SO418	1x8 with 10dB Insertion Loss
20MM-SO424	Twin 1x4 with 7dB Insertion Loss Per Split



Fibre Optics

Fibre SC-APC To SC-APC Duplex 0.5m

20MM-A-FIBSCAPC-SM

Features and Benefits

- » 1 Required PER MO418/428
- » Used with Terra Fibre TX and Optical splitters



SC/APC Chassis Joiner x 2, 6 Per SCD6 Plate

20MM-SC/APC-SC/APC

- » Used in FPP-SCD6
- » Dust caps front and back
- » Individually packed



Blanking Plate for 20MM-FPP3P

20MM-FPP-B-BLANK



6-Port-Plate for 20MM-FPP3P

20MM-FPP-SCD6

Features and Benefits

- » 6-port plate used with FPP3P and Bulk-head adaptor SC/APC-SC/APC
- » Removable for ease of termination



Optical Attenuators

Features and Benefits

- » Attenuator SCA single mode male to female 3dB, 5dB and 10dB
- » Optical attenuators offer complete flexibility to correct power levels in your network
- » High quality
- » Metal assembly
- » Complete with dust caps for protection of interfaces



19"-1RU Fibre Patch-3-Slot (up to 36 Connections)

20MM-FPP3P-SHELF

Features and Benefits

- » Used to make up rack friendly optical splitters
- » Fibre management
- » Adjustable rack depth



Product Code	Description
20MM-OAF-SCAPC-SM-03	3dBm
20MM-OAF-SCAPC-SM-05	5dBm
20MM-OAF-SCAPC-SM-10	10dBm