

Digital Modular Headend

ProQuad | QPSK → COFDM

The **QPSK** to **COFDM** modules each have 4 inputs allowing the reception of 4 different satellite bands per module. Because all modules have 4 satellite tuners and a built-in multiswitch, reception of 4 different transponders coming from one of the 4 input satellite bands is possible.

Depending on the type of module, up to 4 COFDM multiplexes can be distributed per module, offering you one of the most flexible and cost-efficient solutions available on the market!

5302S | T | Q

- ▶ 4 satellite tuners (reception of 4 transponders per module)
- ▶ 4 satellite inputs (4 satellite bands per module)
- ▶ integrated multiswitch allows flexible routing of satellite programs to COFDM multiplexes
- ▶ distribute up to 32 programs per module
- ▶ ref. 5303S/T/Q: decode up to 12 programs per module with multi-service CAM (encoded programs from all 4 tuners can be routed through 1 CAM)
- ▶ easy configuration with built-in webserver or optional UUI configuration software
- ▶ remote access possibility

5303S | T | Q



5302S | 5303S | 5302T | 5303T | 5302Q | 5303Q

Input: QPSK (DVB-S2)		
Number of inputs	-	4 with 4 active loop-through outputs (0 dB loss)
Tuner	-	4 tuners (4 transponders)
Frequency range	MHz	950-2150
Level	dBm	-55 to -25
Bandwidth	MHz	36
Modulation	-	DVB-S2: QPSK, 8-PSK DVB-S: QPSK
LNB power (DC+tone)	V	13/18 + 22kHz
LNB current per input	mA	max. 150

Output: COFDM (DVB-T)							
Number of outputs	-	1 with 1 loop through (max 1,5 dB loss)					
Frequency range	MHz	47-862 (VHF-UHF)					
Multiplexes	-	1	2 adjacent	4 adjacent			
Channel bandwidth	MHz	6/7/8					
Modulation	-	QPSK, 16-QAM, 64-QAM					
OFDM mode	-	2K					
Forward Error Correction (FEC)	-	1/2, 2/3, 3/4, 5/6, 7/8					
Guard interval	-	1/4, 1/8, 1/16, 1/32					
Output bitrate/mux	Mbps	up to 31,7					
Modulation Error Rate (MER)	dB	40					
Spectral inversion	-	yes					
Output level	dBμV	68 to 83 (adjustable)					
Clk slot	-	no	yes	no	yes	no	yes
Capacity	-	up to 8 programs		up to 16 programs		up to 32 programs	

General		
Connectors	-	RF: 10 x "F" connector female Management: RJ-45 (Ethernet) DC: banana sockets
Power supply	VDC	15
Consumption	A	1,5
Operating temperature	°C	0 to +40
Dimensions	-	5 RU x 8 TE x 195 mm