

FibreSQS Stacker

Fibre Integrated Reception System

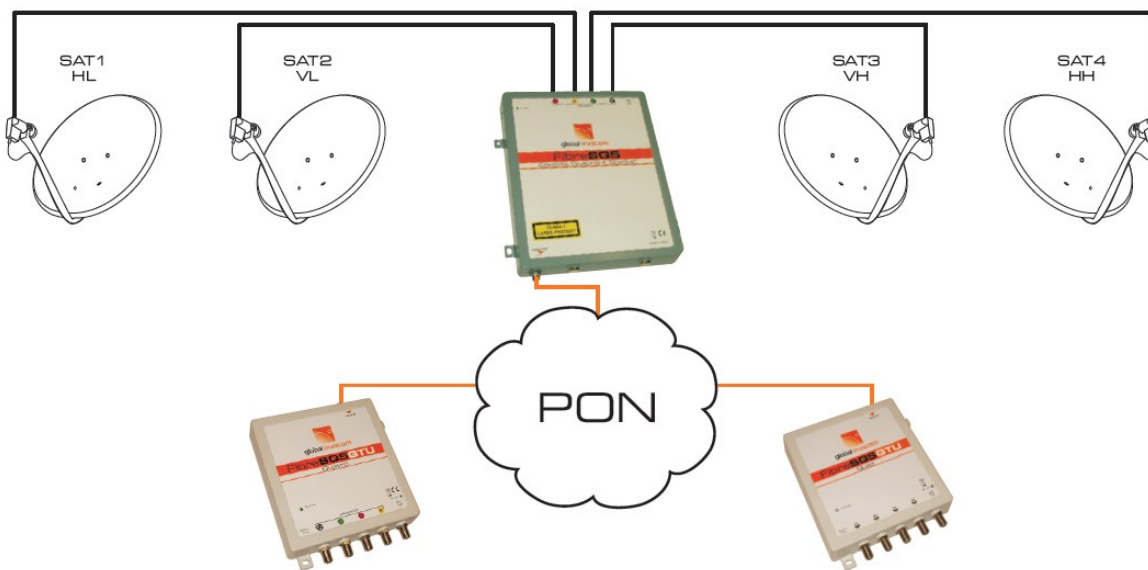


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- Converts 4 IF polarities to a single optical output
- Outputs FibreSQS signal for distribution through 1 x 64 PON
- Colour coded inputs for polarity matching
- Distributes DTT, FM and DAB
- PSU included



The **FibreSQS** Stacker has been designed to combine 4 satellite polarities, DTT, FM and DAB onto a single optical output for distribution through a Passive Optical Network (PON) of 64 node points. The unit is used to combine all 4 polarities from 1 satellite, or a mixture of 4 polarities from any 4 satellites (inputs are colour coded with symbols to correctly identify each polarity at the **FibreSQS** Quatro GTU). DTT, FM and DAB should be externally diplexed onto the Band 1 (Triangle). **FibreSQS** Quad or Quatro GTUs can be connected at any of the 64 node points.



Technical Specifications

Product Part No.

FibreSQS stacker

F925006

Optical specification

Parameter	Min	Typ	Max	Units	
Laser 1 wavelength		1550		nm	
Laser 2 wavelength		1530		nm	
Total optical output power	7	8		dBm	Combined 1530nm and 1550nm

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Satellite band RF specification					
Input RF frequency	950		2150	MHz	SAT1, SAT2, SAT3 and SAT4 inputs
Input impedance		75		Ohm	
Number of inputs		4			
Input return loss		10		dB	
Total input power			97	dBμV	
Maximum input power per transponder			82	dBμV	For 32 transponders
Output RF frequency	950-2150 (Band 1,Band 3) & 2550-3750 (Band 2 ,Band 4)			MHz	Stacked frequency bands

Terrestrial band RF specification					
RF frequency band	174		862	MHz	
Input impedance		75		Ohm	
Input return loss		10		dB	
Maximum input power	-5dBμV compared with sat band 1 (black triangle)				
Noise figure			10		

DC specifications					
Power supply voltage	12	20	21	V	
Current consumption		≤ 500		mA	For 20V power supply (not including LNB)
LNB voltage	Available on each input				All inputs short circuit protected

Connectors	
Output	Fibre optic FC/PC
Satellite inputs	F
DC connector	2.1mm socket

Dimensions	
Size	140 x 145 x 33 mm
Weight	300g

Environmental specification	
Operating Temperature	-30 to 60°C
Storage Temperature	-10 to 50°C

Optical Cabeling	
Fibre Type	Single mode
Standard	GI - Approved G657a

Global Invacom will only support systems that are installed using

GI - approved fibre cabling & system components

Note: Specifications subject to change without notice

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