

# FibreSQS GTU

Fibre Integrated Reception System

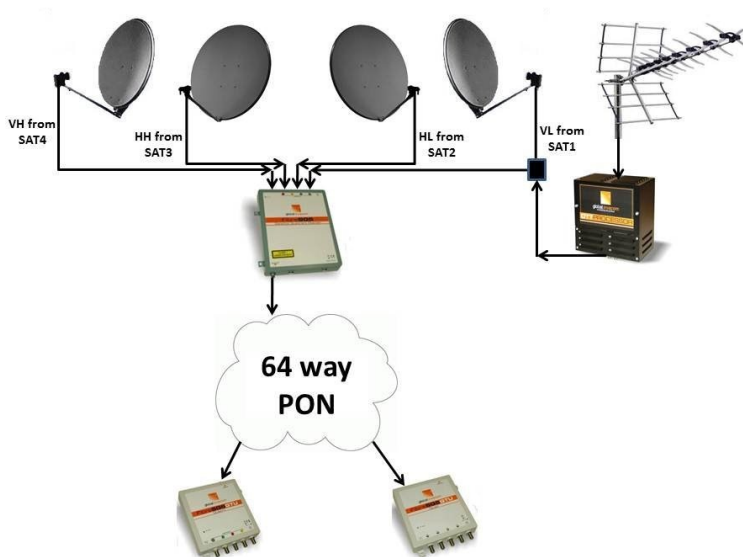


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completing the picture

- For use only with FibreSQS stacker.
- Colour coded output (Quatro) for polarity matching.
- PSU included
- Converts a single optical input to 5 RF outputs



The two FibreSQS GTU's have been designed to output 4 satellite polarities, DTT, FM and DAB from a single optical input. Two versions are available, Quad with 4 universal IF outputs and a single terrestrial output (DTT, FM and DAB). Quatro which has 4 fixed polarity outputs and a single terrestrial output (DTT, FM and DAB).



## Product Part No.

FibreSQS Quad GTU	F101990
FibreSQS Quatro GTU	F101991

## Technical Specifications

Optical specification					
Parameter	Min	Typ	Max	Units	Notes
Optical Wavelength - Band 3 and Band 4 - Band 1, Band 2 and DTT		1530 1550		nm	
Input Optical Power	-14		-3	dBm	



Satellite RF specifications					
Output frequency range	950		2150	MHz	Band 1, Band 2, Band 3 and Band 4
Total output power		87		dBμV	
Nominal output power per transponder		72		dBμV	For 30 transponders
Isolation	25	30			
Output impedance		75		Ohm	
Noise figure			4	dB	

Terrestrial RF specifications					
RF frequency band	88		862	MHz	
Input impedance		75		Ohm	
Input return loss		10		dB	
Total output power		72		dBμV	
Noise Figure			4	dB	

DC specifications					
Power Supply Voltage	12	18	21	V	
Current Consumption		≤ 250		mA	For 18V power supply
Power ON		-			Green LED Indicator is lit

Quad GTU switching voltage	VOLTAGE, TONE	Notes
Band 1 (Triangle)	<13.5V	Not converted path selected
Band 2 (Circle)	>15.5V	Converted path selected
Band 3 (Square)	<13.5V, 22kHz	Not converted path selected
Band 4 (Cross)	>15.5V, 22kHz	Converted path selected

Connectors	
Input	Fibre optic FC/PC
Outputs	F
DC connector	2.1mm socket

Environmental specification	
Operating Temperature	0 to +50°C
Storage Temperature	-10 to 50°C

Dimensions	
Size	190 x 160 x 30 mm
Weight	0.6kg

Optical cabling	
Fibre type	Single mode
Standard	GI - approved G657a

Note: Specifications subject to change without notice

**Global Invacom will only support systems that are installed using GI approved fibre cabling, splitters and accessories.**