

# FibreIRS™ GTU Expander

Fibre Integrated Reception System

- Expands Quatro GTU output from 8 to 48 points
- Unique design for direct attachment to Quatro GTU
- Cascade up to 3 expanders
- Expander and GTU Powered by single 20V PSU
- Small form factor



The GTU Expander can increase the output from a Quatro GTU from 8 to 48 outputs (when using 3 x 16 way expanders in cascade). Its unique design allows it to be connected directly to the Quatro GTU without using additional cables.

Two versions available — 8 output and 16 output with the capability of cascading three units and achieve a 50m drop.



## Technical Specifications

### Product Part No.

GTU expander 8 way	D000015
GTU expander 8 way + PSU	D000016
GTU expander 16 way	D000017
GTU expander 16 way + PSU	D000018

### Satellite (Electrical)

Parameter	Min	Max	Notes
RF frequency range (MHz)	950	2150	
Output impedance	75Ω		
Return loss	10dB		
Slope		3dB	
Tap loss 8 and 16 way (2150MHz)	0dB		±2dB
Through loss 8 way	1.5dB		±1dB
Through loss 16 way	2.5dB		±1dB
Terrestrial rejection (typ)	30dB		
Max output (dBμV)		88	For 30 transponders

DTT, DAB and FM (Electrical)			
RF frequency range			
DTT	470-862MHz		
DAB	174-240MHz		
FM	88-108MHz		
Nominal impedance	75Ω		
Return loss	10dB		
Tap loss	-2dB	±2dB	
Through loss	-2.5dB	±1dB	
Max output (dBμV)		84	For 6 transponders
950-2150MHz rejection (typ)	30dB		

DC specification		
Input voltage range	12V to 20V	
Current consumption 8 way	<100mA	Expander only
Current consumption 16 way	<100mA	Expander only
Current from receiver	<35mA	

Connectors	
Input	F type (male)
Output	F type (female)
Power supply	2.1mm Jack

Environmental Specification	
Operating temperature	-20°C to +50°C
Storage temperature	20°C to +50°C

Dimensions	
Size 8 way	125mm x 125mm x 60mm
Size 16 way	125mm x 205mm x 60mm
Weight 8 way	300g
Weight 16 way	500g

**Global Invacom will only support systems that are installed using  
GI - approved fibre cabling & system components**

Note: Specifications subject to change without notice