Griffin Redundancy Switch

chassis for compatible RF, ASI & optical switch modules

ETL's Griffin offers total flexibility in managing RF, ASI & optical signals. The modular design comprises a 1U chassis with 2 module slots. Different modules can be fitted dependent on application, which can be switched independently (individual mode) or together (simultaneous mode).

Switching may be triggered by front panel, RF level detection, alarm contacts, pulsed voltage or NMS. When operating in Auto mode, modules with RF level detection will switch from main to standby on detection of a fault on the main. Switch back to the main path is configurable. The default setting is for the unit to latch to the standby path and not automatically switch back to the main path if the RF signal is restored. The chassis features dual redundant PSUs and hot-swap switch modules.

Typical redundancy applications:

- Satellite modulator
- LNB / Downconverter
- Modem

Chassis Options

Resilience from dual redundant power supplies & hot-swap modules

External switching from dry contact input port or pulsed 24V

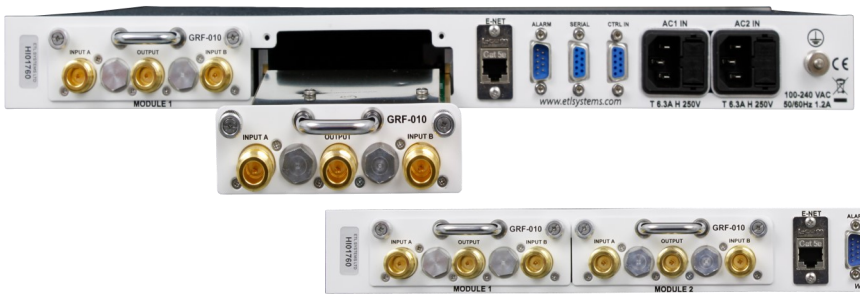
Compact 1U chassis which can house 2 x switch modules

Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface & RS232/485 serial port

Local control & monitoring via push buttons & LEDs on front panel

3 operational modes
Manual / Automatic / Remote

Individual or simultaneous switching modes



ETL Systems

Excelling in RF Engineering

Griffin Chassis Options

Chassis Specifications

Technical Specifications		
Model Numbers	GRF-C900-1U	GRF-C910-1U
Capacity	Up to 2 switch modules	Up to 2 switch modules. CAN ONLY USE GRF-200 & GRF-201 MODULES
Input & Output Ports	Dependent upon modules	
Local Control	Via front panel push buttons & LEDs	
Switch Control Mode	Remote, local (via front panel) and automatic	Remote and local (via front panel)
Remote Control & Monitoring	Via RS232/RS485, RJ45 Ethernet and web browser interface	Switches on receipt of a +24VDC pulse and sends out feedback via dry contact relay closure. Also controlled via RJ45 Ethernet and web browser interface
External Dry Contact Ports	Sub-D 9 (female): Digital Interface Connector	
Display	LEDs, for PSU status, alarm, mode/switch status	
Alarms	Summary: Change-over dry contact—Rear mounted D-type	
PSU	Dual redundant	
AC Power	85-264V AC (50/60Hz)	
IEC	Dual	
Operating temperature	0 to 45˚C	
Location	Indoor use only	
Storage temperature	-20˚C to +75˚C	
Humidity	20 to 90% non-condensing	
Dimensions	1U x 450 mm deep x 19 " wide	
Weight	5 kg (fully populated)	
Front Panel Colour	White 00-E-55 (Semi-Gloss)	RAL9003 White (Semi-Matte)

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.
Note 3: Switch functionality is determined by modules in use.

Please see individual datasheets for Griffin redundancy switch module options and RF specifications.

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