

AS2881 - Radio Site Switch RSS

Controlled via script from IP

X21 & 600R Switchable Ports

19" 2U Rack Mount

Description

The AS2881 Radio Site Switch provides a method of switching speech or tones from any one of five lines to any one of ten equipment ports. In addition to the standard analogue audio ports the system can switch an X21 line to any one of two X21 equipment ports.

With all audible channels the Tx/Rx channels that are switched from line to equipment can be listened to through a standard headset in the front panel of the system, the lines are presented as odd channels to left ear and even channels to right ear. Where these channels need to be monitored remotely they can be switched through to another line port to allow a listener the ability to listen to both Tx and Rx on a single channel but without his audio being injected into the conversation.

All control of the system is done via an IP connection using a protocol developed to ensure integrity of switching data and with the addition of allowing the interrogation of the system status and also resetting of the system operation.

The system is powered from a 240Vac source but could be fitted with a DC/DC to allow for 48V or 24Vdc sources if required.



Front view of RSS with lamps to show system status and also 3.5mm socket for local Live Listen



Rear view of RSS with connections for line, equipment, X21, LAN and power in. DIP switch is viewable for setting system function lamps on all equipment and line ports for channel operation.



Line & Equipment Interfaces -

- 5x 4W E&M Line Ports
- 10x 4W E&M Equipment Ports
- All audio 600R terminated
- E&M Configurable for multiple 'Types'
- Rear Lamps to show status of E&M signalling

X21 Line & Equipment Interface -

- 1x Line & 2x Equipment Ports available
- Tx/Rx and Control Lines available on all ports

Engineering Port -

- RS232 port for details of all IP commands & responses

Alarm Port -

- Volt Free O/P for RSS equipment alarms (NC)
- Volt Free O/P for CAMS system alarms (NC)

Power -

- 240Vac @ 2A

Dimensions -

- 19" 2U 285mm deep
- 3.0Kg

Environmental

- Operating Temp. 0 to 40 deg C
- Storage Temp. 0 to 70 deg C
- Humidity 5% to 90% non-condensing

EMC & Safety Compliance

- Safety: EN60950
- Emissions: EN55022
- Immunity: EN50082-1