

Dual 4x1 / Single 7x1 75Ω Relay Switcher

FEATURES

- Dual 4 x 1 or single 7 x 1 relay switch.
- 75 ohm unbalanced Inputs & Outputs.
- Latching relays.
- Optional Remote Control.
- DashBoard™ software monitoring and control.

GENERAL

The IRT-6170-AVS switcher is part of a family of IRT openGear® switchers that may be linked and configured by the user to cover a wide range of switching and monitoring functions.

On board links allow the switcher to be configured for either dual 4x1 or single 7x1 operation.

The switcher may be slaved to operate in conjunction with similar switchers for analogue and digital video and audio signals.

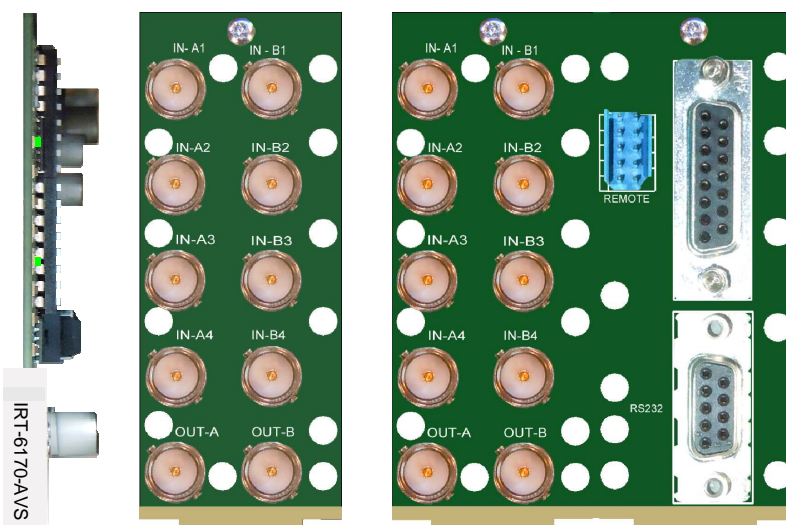
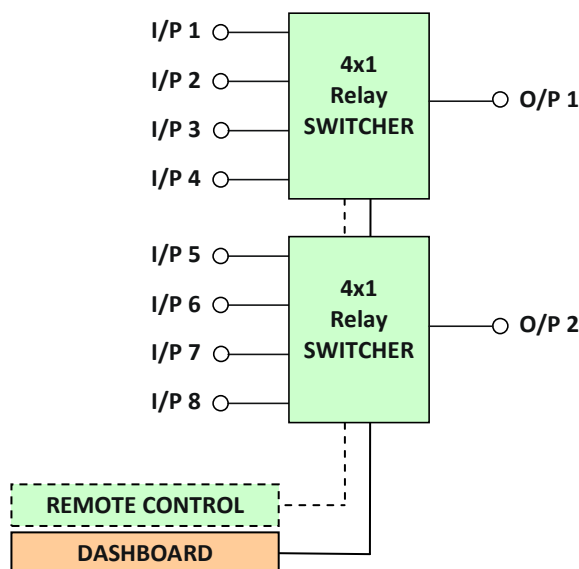
This makes the switchers ideally suited to situations where a mixture of analogue and digital signals are present.

Optionally remote control is via a momentary wire per crosspoint (WPX) control connector allowing interface to the IRT-RC1 remote control panel or a telemetry system, or alternatively via an RS232 remote.

The IRT-6170-AVS is designed to fit the openGear® standard 2RU frames which allow a mixture of cards from various manufacturers to be mounted within the same frame.

The DashBoard™ control software is available as a free download.

BLOCK DIAGRAM IRT-6170-AVS SIGNAL PATH



Standard
Rear Assembly

Remote Control
Rear Assembly
(IRT-6170-VRC)

TECHNICAL SPECIFICATIONS

Signal path:

Signal types	Video / unbalanced AES / G.703.
Impedance	Non-terminating, designed for 75 Ω use.
Switching characteristic	Magnetic latching relay.

Control:

Type 1	Momentary wire per crosspoint (WPX) grounding contacts ¹ .
Type 2	openGear® DashBoard™ software.
Type 3	RS-232 ¹ (9600bps, 8 data bits, No parity, 1 Stop bit, No flow control).

Connectors:

Signal Path	BNC 75 ohm.
Control (with remote option)	Plug in 10 pin HE14 dual IDC, DB9 or DB15.

Power Requirements:

Voltage	+ 12 Vdc.
Power consumption	< 1.5 VA.

Other:

Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in an openGear® 2RU rack chassis.
Dimensions (openGear® standard)	33.6 mm x 2U x 325 mm.

Supplied accessories	Rear connector assembly.
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Ordering	IRT-6170-AVS	Standard, programmed with DashBoard™ and SNMP control.
	IRT-6170-VRC	Optional double width rear assembly with remote control interfaces.
	IRT-RC1	Optional remote control panel ¹ with 8 pushbuttons & tally LED's.
	IRT-RP1	Optional 1RU 19" rack mounting plate for IRT-RC1 remote control panel.

NOTE: 1 IRT-6170-VRC double width rear assembly required for connection to IRT-RC1, WPX and RS-232 control lines.