

## OS1/OS2 Optical switches

The OS1 is a 2 x 1 optical switch designed to allow simple switching between two fibres. Typically, it is used where a modest degree of dual redundancy is required, usually with two fibre links being switched between a single receiver or transmitter. The companion OS2 is configured as a 2 x 2 changeover switch for more complete dual redundancy applications. Both switches can be controlled via Dashboard Control Systems.

The optical components are mounted on the rear and inserted from the rear of the rack. The card

element is then inserted from the front in the normal way, which tells the system that the slot is occupied and identifies the type of card in the same way as active openGear cards. Although this is a passive device, it still confirms its presence to Dashboard Control Systems.

## Features

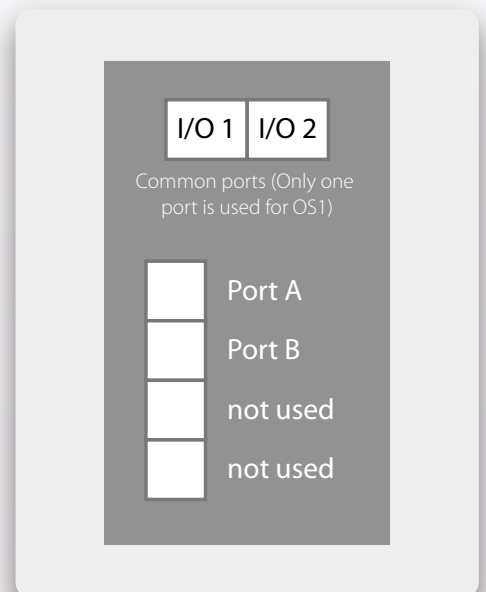
- 2 x 1 optical switch (OS1)
- 2 x 2 optical switch (OS2)
- Full control from Dashboard Control System

## Specifications

### Optical

Connector	LC
Wavelength:	Broadband dual-window: 1310nm or 1550nm (+/- 40nm)
Insertion Loss:	1.0dB (max)
Return Loss:	60dB (min)
Cross-talk:	55dB
Switching Time:	10ms (max), 3ms typical
Fibre type:	Single Mode

*Please note: No rears need to be specified for this card since the rear is integrated with the card. The optical components are mounted on the rear and inserted from the rear of the rack. The card element is inserted from the front in the normal way. This tells the system that the slot is occupied and identifies the type of card in the same way as active openGear cards.*



### Ordering Information

OS1 2 x 1 Optical Switch, no rear is required, it is supplied with this card.

OS2 2 x 2 Optical Switch, no rear is required, it is supplied with this card.



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