

OSMADI-X opt. Switch for MADI Signals

The **OSMADI-X** is an Optical switch for MADI signals, with an emphasis on redundancy switching.

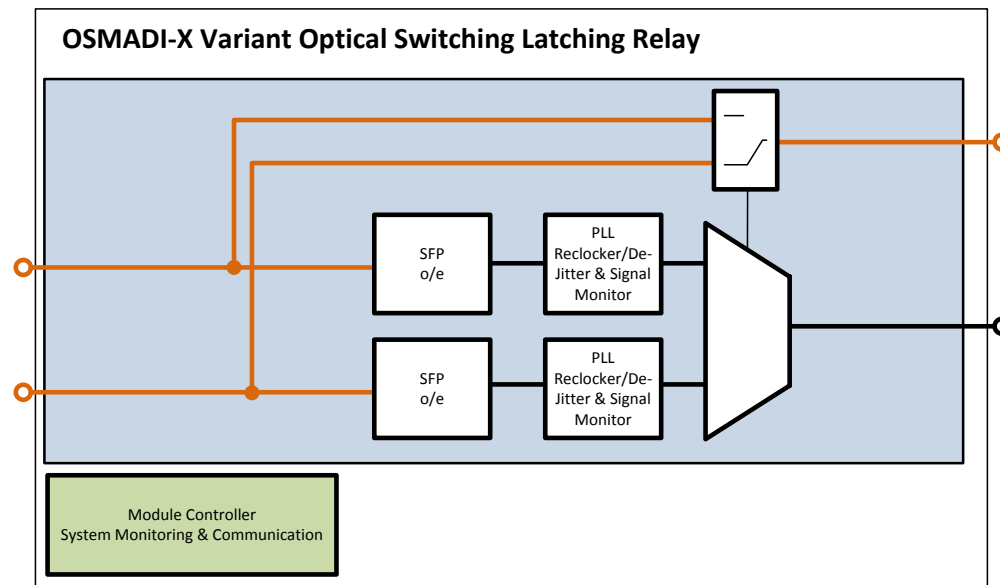
It is a standard sized module for HEADROOM Broadcast's HSM-X modular platform using one physical slot in the system. The inputs are monitored and failure notifications as well as switching notifications will be delivered via SNMP-trap/notification of the SMI-X system controller if included.

The OSMADI-X is available in three different versions

- Optical switching (passive) with higher optical attenuation but with last route available in power down
- Electrical switching (active) with bypass of input A to Output in power down
- Electrical switching (active) with no bypass for cost efficiency

The electrical versions can be fitted with either a optical or electrical secondary output. There is also the possibility to add the "gapless" switching option to the active switching versions marked with a "g" in the name: OSMADlg-X. The gapless switching is frame synchronous switching when a switch command is received (Web, SNMP), thus less audible artifacts (no gap in the AES10 frame). Switching will take place at the beginning of an AES10 frame. The automatic switchover on signal failure is not gapless!

OSMADI-X and OSMADlg-X are products of Headroom Broadcast. They belong to the group of monitoring and switching devices for video, audio and telecom signals, covering single purpose stand-alone devices as well as multi format modular systems for signal management.

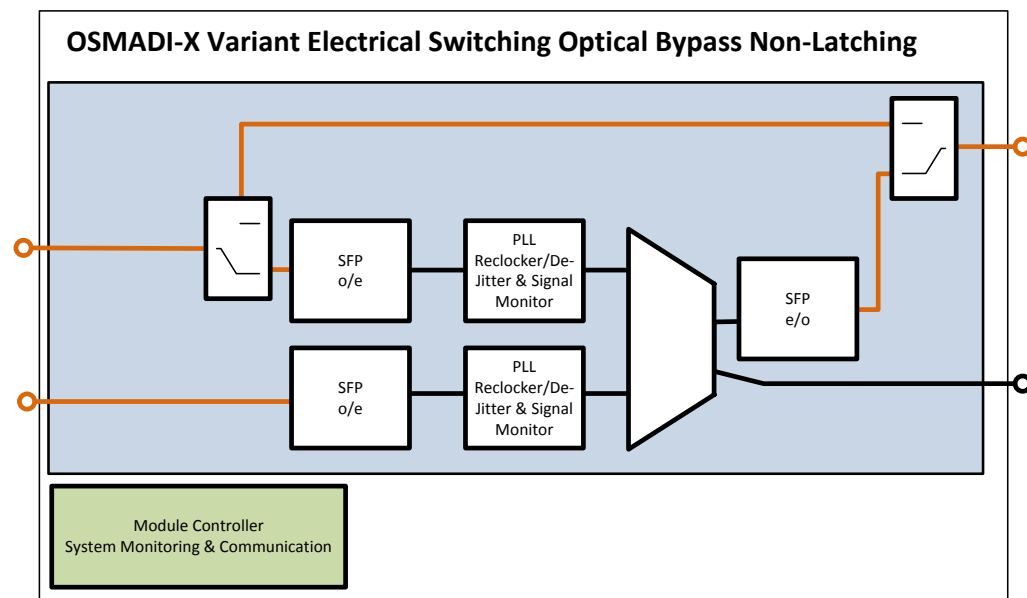


Technical data

Input	2x opt. 1300nm MM LC/PC ¹
Outputs	Monitor Out 1x BNC 75Ω accord. AES10 1x opt. 1300nm MM LC/PC ¹
Passthru Attenuation	max
Input Level	min -30.5 max -14 dBm
Alarm criteria	LOS Loss of frame
Indicators	Power Supply - yellow Conf. – green (module in system configuration) Error - red Signal A – green for o.k. Signal B – green for o.k. Switch Way A – green for selected Switch Way A – green for selected
Power supply	typ. 6W

¹SFP can be configured to non-standard values

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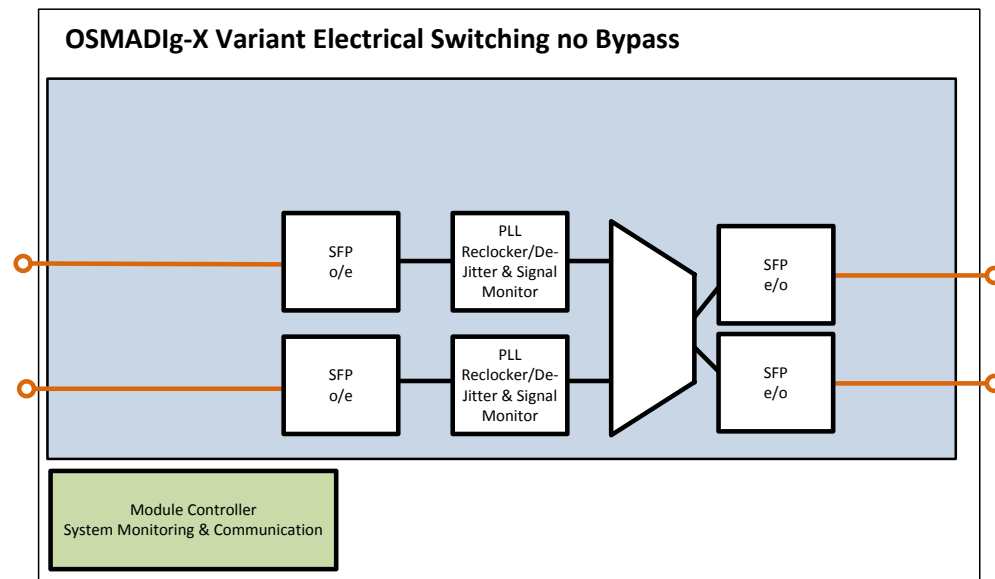
Input	2x opt. 1300nm MM LC/PC ¹	
Outputs	<ul style="list-style-type: none"> ┌ Monitor Out 1x BNC 75Ω accord. AES10 └ 1x opt. 1300nm MM LC/PC¹ or 2x opt. 1300nm MM LC/PC ¹	
Input Level	min -30.5 max -14 dBm	} ^{1,2,3}
Opt Output Level	min -19.5 max -14 typ -16.2dBm	
Alarm criteria	LOS Loss of frame	
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²End Of Life Transmitt Power 1dB lower

³62,5/125 fibre; up to 3.5dBm loss with 50/125 fibre

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