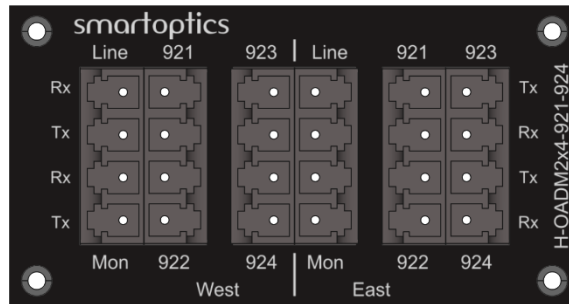


# H-OADM2X4-XXX-YYY

4 channel DWDM OADM West/East with monitor dual end



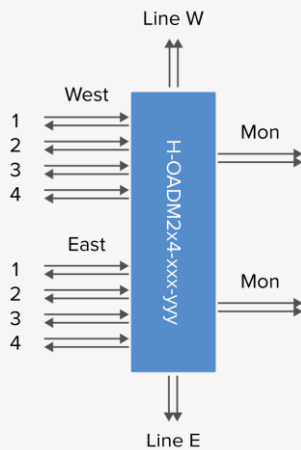
## OVERVIEW

The H-OADM2x4-xxx-yyy units are a range of passive 4 channel DWDM protocol transparent dual ended OADM units. They operate with 100GHz spacing and all DWDM wavelength that are not terminated will pass through the units. Channels operate in the standard C-band in dual fiber working configuration.

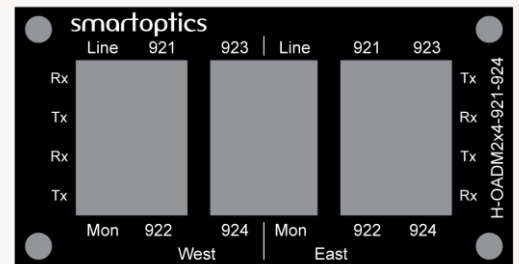
## FUNCTIONAL DESCRIPTION

All non-terminated DWDM wavelengths will be passed through.  
 Monitor ports are used to analyze outgoing and incoming line signals. Compliant to ITU-T G.694.1

## FUNCTIONAL OVERVIEW AND PORT DESCRIPTION



|         |        |        |         |        |        |
|---------|--------|--------|---------|--------|--------|
| Line Rx | 921 Tx | 923 Rx | Line Tx | 921 Rx | 923 Tx |
| Line Tx | 921 Rx | 923 Tx | Line Rx | 921 Tx | 923 Rx |
| Mon Rx  | 922 Tx | 924 Rx | Mon Tx  | 922 Rx | 924 Tx |
| Mon Tx  | 922 Rx | 924 Tx | Mon Rx  | 922 Tx | 924 Rx |
| West    |        |        | East    |        |        |



Description of H-OADM2x4-921-924

## TECHNICAL SPECIFICATIONS

| Parameter                       | Min                | Max    |
|---------------------------------|--------------------|--------|
| Operating wavelength range      | 1500nm             | 1600nm |
| Channels                        | See separate table |        |
| Channel spacing                 | 100GHz             |        |
| Channel passband                | ITU±0.11           |        |
| Insertion loss, extension       | 3.5 dB             |        |
| Insertion loss, per channel     | 2.5 dB             |        |
| Link loss, per channel          | 3.5 dB             |        |
| Insertion loss, monitor         | 18 dB              | 22 dB  |
| Isolation, adjacent channel     | 28 dB              |        |
| Isolation, non-adjacent channel | 40 dB              |        |
| Ripple, passband                | 0.5 dB             |        |
| Directivity                     | 45 dB              |        |
| Return loss                     | 40 dB              |        |
| Polarization dependant loss     | 0.2 dB             |        |
| Polarization mode dispersion    | 0.20 ps            |        |

## ORDER INFORMATION

The H-OADM2x4-xxx-yyy units are available in 10 different versions depending on desired channel plan. The table below shows the part numbers and a short description.

| Part number       | Description   | Channels |
|-------------------|---|----------|
| H-OADM2x4-921-924 | 4 channel DWDM OADM West/East with monitor dual end | 921-924  |
| H-OADM2x4-925-928 | 4 channel DWDM OADM West/East with monitor dual end | 925-928  |
| H-OADM2x4-929-932 | 4 channel DWDM OADM West/East with monitor dual end | 929-932  |
| H-OADM2x4-933-936 | 4 channel DWDM OADM West/East with monitor dual end | 933-936  |
| H-OADM2x4-937-940 | 4 channel DWDM OADM West/East with monitor dual end | 937-940  |
| H-OADM2x4-941-944 | 4 channel DWDM OADM West/East with monitor dual end | 941-944  |
| H-OADM2x4-945-948 | 4 channel DWDM OADM West/East with monitor dual end | 945-948  |
| H-OADM2x4-949-952 | 4 channel DWDM OADM West/East with monitor dual end | 949-952  |
| H-OADM2x4-953-956 | 4 channel DWDM OADM West/East with monitor dual end | 953-956  |
| H-OADM2x4-957-960 | 4 channel DWDM OADM West/East with monitor dual end | 957-960  |