



## Kit: 2 SFP Transceiver 1000BASE-X, 1 fiber (LC) SM

Kit consisting of 2/bidirectional transceiver SFP modules 1000BASE-X with LC connector that offers the possibility to extend the network up to 10 km through single-mode (SM) fiber 9/125  $\mu\text{m}$ . This high performance transceiver can be connected to an SFP input of a network device to allow its access to an Ethernet signal through optical fiber.

They use 1310 & 1490 nm wavelength, and it is compatible with 1550 nm.

|                     |               |
|---------------------|---------------|
| <b>Ref.</b>         | 769212        |
| <b>Logical ref.</b> | EKA2SFP1F     |
| <b>EAN13</b>        | 8424450170359 |

### Packaging info

|            |        |
|------------|--------|
| <b>Box</b> | 1 pcs. |
|------------|--------|

### Physical data

|                            |                      |
|----------------------------|----------------------|
| <b>Net weight</b>          | 30.00 g              |
| <b>Gross volume</b>        | 0.07 dm <sup>3</sup> |
| <b>Gross weight</b>        | 37.00 g              |
| <b>Width</b>               | 13.00 mm             |
| <b>Height</b>              | 13.00 mm             |
| <b>Depth</b>               | 57.00 mm             |
| <b>Main product weight</b> | 30.00 g              |

### Highlights

- Real-time parameter monitoring thanks to DDM/DOM compatibility
- 1 single-mode fiber (SM)
- Operating data rate of 1250 Mbps
- LC/UPC-Simplex optical connector
- Up to 10 km transmission distance
- Hot-pluggable capability

## Discover

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### What is a SFP?

The Small Form-Factor Pluggable (SFP) devices are adapters that generate an interface to allow access to an Ethernet signal through Optical Fiber. These devices can be connected to the inputs of different Ethernet and GPON equipment, allowing the transmission/reception of the information by connecting to single-mode or multi-mode fiber or Ethernet cables.

Among the advantages of using SFP modules, we can highlight the reduction of space, lower energy consumption, or the increase of transmission distances.

### Which SFP do I need?

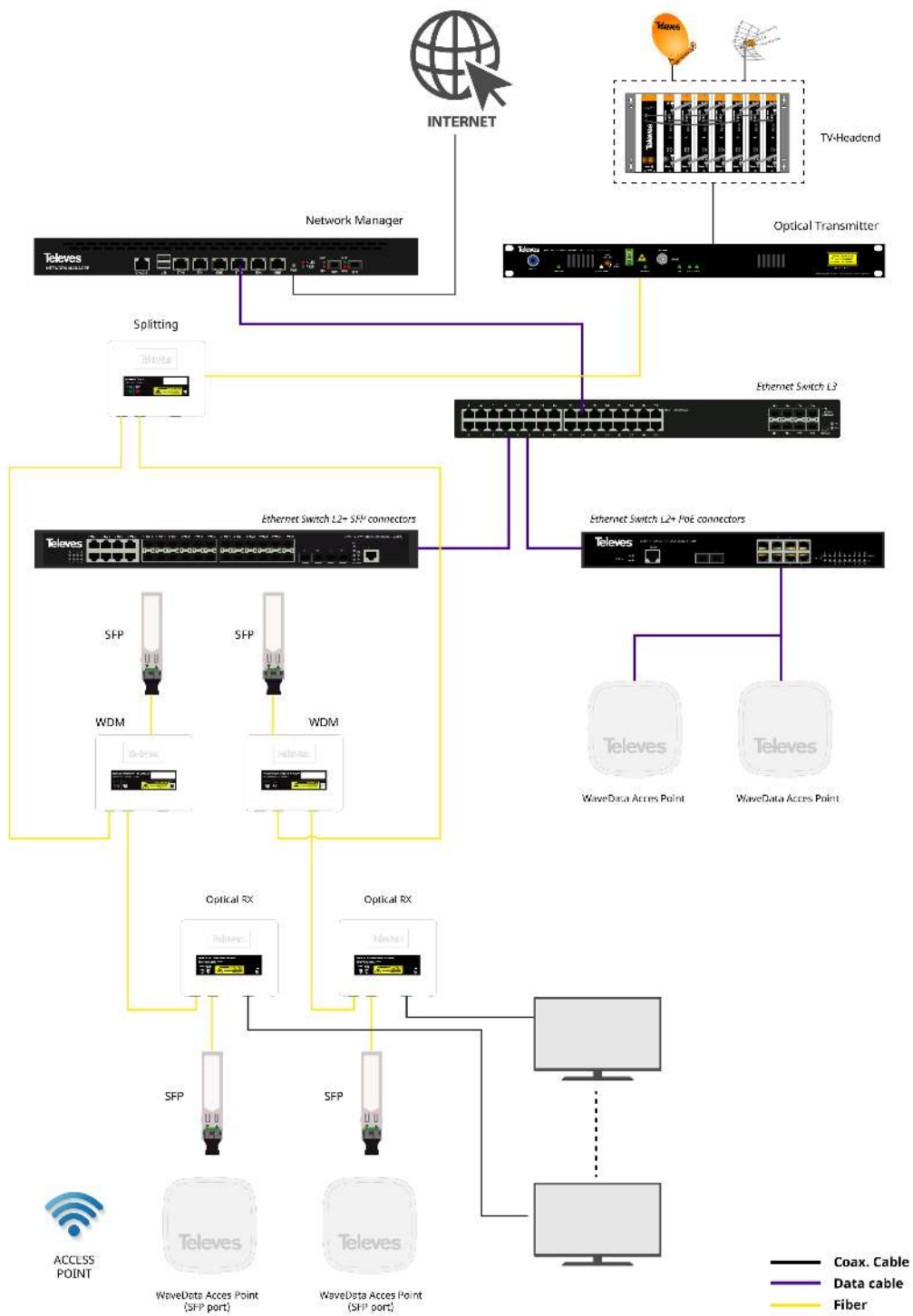
Based on the devices to which they are connected, the transmission speed, or the type of cable used, several options are available in the whole range of media converters. The compatibility between the SFPs and the different Ethernet and GPON equipment is described below.

|                                                                                      | 1GbE Transceivers |        |        | 1/10GbE Transceiver | 10GbE Transceivers |        | 1GbE RJ45 Transceiver | ONU    | GPON Transceivers |           |
|--------------------------------------------------------------------------------------|-------------------|--------|--------|---------------------|--------------------|--------|-----------------------|--------|-------------------|-----------|
|                                                                                      | 769150            | 769210 | 769212 | 291221              | 769214             | 769412 | 769411                | 769520 | 769410/13         | 769414/15 |
| <b>SFP Switches</b> (768115, 768116, 768150, 769140, 769141, 769144, 769147, 769152) | OK                | OK     | OK     | OK                  | -                  | -      | -                     | OK     | -                 | -         |
| <b>SFP+ Switches</b> (769145, 769146, 769148, 769149, 769151, 769152, 769153)        | OK                | OK     | OK     | OK                  | OK                 | OK     | -                     | OK     | -                 | -         |
| <b>SFP+ Routers</b> (769115, 769122)                                                 | OK                | OK     | OK     | OK                  | OK                 | -      | -                     | -      | -                 | -         |
| <b>OLT512EVO</b> (769403)                                                            | OK                | -      | OK     | OK                  | OK                 | OK     | OK                    | -      | OK                | OK        |

|                                         |    |    |    |    |   |    |    |   |    |   |
|-----------------------------------------|----|----|----|----|---|----|----|---|----|---|
| <b>OLT3072</b> (769420, 769421, 769422) | -  | -  | OK | OK | - | OK | OK | - | OK | - |
| <b>Media Converter</b> (769215)         | OK | OK | OK | OK | - | -  | -  | - | -  | - |
| <b>WaveData</b> (769002)                | OK | OK | OK | OK | - | -  | -  | - | -  | - |

## Application example

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## Technical specifications : Ref. 769212

|                              |      |             |
|------------------------------|------|-------------|
| Transceiver type             |      | SFP         |
| Fiber type                   |      | Single-Mode |
| Transmitter output power     | dBm  | -8 ... -3   |
| Optical receiver sensitivity | dBm  | -22         |
| Forwarding rate              | Mb/s | 1250        |
| Transmission distance        | km   | < 10        |
| Powering                     | Vdc  | 0.5 ... 4.7 |
| Operating temperature        | °F   | -4 ... 158  |