

SFP Optical Modules



Fiber connectivity for 3Gbps/HD/SD modules

The SFP optical modules are small, hot-plugable cartridges which are used to provide fiber connectivity to the Densité 3Gbps/HD/SD cards, including the XVP-3901 family of signal processors and the HDA-1911/1931 distribution amplifiers. By using fiber instead of coaxial cable, these interfaces can be used over much longer distances without impacting signal quality. The SFP optical modules include optical receivers and/or single mode 1310nm transmitters.

KEY FEATURES AND BENEFITS

- Long distance coverage even with 3Gbps signals
- Hot-swappable and interchangeable cartridges
- Variety of Rx/Tx configurations to choose from including WDM
- Robust performance, single mode 1310 nm technology
- Fully SMPTE-297-2006 compliant
- Low-cost and compact design

TECHNICAL SPECIFICATIONS

Optical: SMPTE-297M-2006 compliant
 3G/HD/SD SDI: SMPTE-424M, SMPTE-292M and SMPTE-259M-C compliant

Rx CHANNEL (pathological bitstream)

Sensitivity
 @ 1310 nm: 270 Mbps and 1.5 Gbps: -20 dBm
 3 Gbps: -18 dBm
 SFP-RR-W-LC: -20 dBm

Tx CHANNEL (Single mode)

SFP-T-S13-LC: 1310 nm min, -5dBm max, 0 dBm
 SFP-TT-S13S13-LC: 1310 nm min, -5 dBm max, 0 dBm
 SFP-RT-S13-LC: 1310 nm min, -7 dBm max, 0 dBm
 SFP-TT-W13W15-LC:
 1310 nm min, -5 dBm max, 0 dBm
 1550 nm min, -8 dBm max, -3 dBm

SFP ready rear panels

• XVP-3901	78
• HDA-1911	218
• HDA-1931	220
• ADX-3981	128
• AMX-3981	125

ORDERING INFORMATION

SFP-R-LC	Single fiber Rx (input) cartridge with LC/PC connector
SFP-RR-LC	Dual fiber Rx (input) cartridge with LC/PC connector
SFP-T-S13-LC	Single fiber Tx (output) cartridge at 1310 nm with LC/PC connector
SFP-TT-S13S13-LC	Dual fiber Tx (output) cartridge at 1310 nm with LC/PC connector
SFP-RT-S13-LC	Dual fiber Rx/Tx (input/output) cartridge at 1310 nm with LC/PC connector
SFP-RR-W-LC	Single fiber dual Rx (2 inputs) cartridge with WDM - LC/PC connector
SFP-TT-W13W15-LC	Single fiber dual Tx (2 outputs) cartridge at 1310 and 1550 nm with WDM - LC/PC

Make sure a -F rear has been selected for your hosting card.

SFP Modules can directly slide into any product Rear Panel that offers SFP video connectivity, easily identifiable by a -F extension in the Miranda Rear part number. A single SFP optical module offers either 1 or 2 fiber connections, available as single Tx or Rx, dual Rx or Tx or as a bidirectional Rx/Tx. Dual Rx or Dual Tx on single fiber can be achieved with the WDM SFP modules. SFP Modules can be easily added in the field without service disruption to existing coaxial services, allowing the building of future-proof infrastructures.

