

RF over Fiber 1U and 1U/2U Subsystems with Removable Panels



Key Features:

- Accommodates 4 or 8 RFoF Tx / Rx units
- Any frequency between 0.5MHz to 40GHz
- Easy maintenance and replacement
- An Option for double Power Supply
- Remote Management SNMP/HTML

Applications:

- Remote Antenna
- Satcom
- Radio telescopes
- Telecommunication

RFOptic's analog RFoF compact modules convert RF signals to optical signals and back. The Tx unit, using an optical transmitter, converts RF to Optical signal, and the Rx unit converts Optical to RF signal. The two units are connected by the customer's fiber. Furthermore, mixed links of low and high frequencies can be accommodated on the same link.

RFOptic's RF over Fiber (RFoF) modules are suitable for telecommunication and radar applications. Satellite, point-to-point antennas can be connected from several meters to many kilometers away from the control room. Base stations can be connected by fiber to remote sector antennas. Broadcasters can easily distribute their full RF streams over fibers to remote locations, therefore eliminating the need for complex equipment to be installed in remote and hard to reach locations.

A series of removable panel 1U or 2U enclosures provides more flexibility and freedom in system architecture. Customers can use the RFoF standalone units housed in a 1U removable panel enclosure as standalone units or inside the enclosure. It can house up to 4 or 8 RFoF Tx and/or Rx units with remote management.

Ordering Information:

RFoF 1U Removable	RFoF 19" 1U Removable module, with 2 power supplies and hub, capable of holding 4 Tx or Rx units
RFoF-1U Generic-8	19" 1U Enclosure, with 2 PS 220/110 VAC to 5VDC, HUB, 8 SMA, 8 FC/APC, up to 8 Low Freq. Tx/Rx units or 4 HSFDR Tx/Rx or mix
RFoF-1U-Generic-4	19" 1U Enclosure, with 2 PS 220/110 VAC to 5VDC, HUB, 4 SMA, 4 FC/APC, up to 4 Low Freq. Tx/Rx units or 2 HSFDR Tx/Rx
RFoF 2U Removable	RFoF 19" 2U Removable module, with 2 power supplies and 2 hubs, capable of holding 8 Tx or Rx units (RFoF or HSFDR)