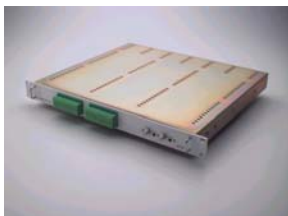
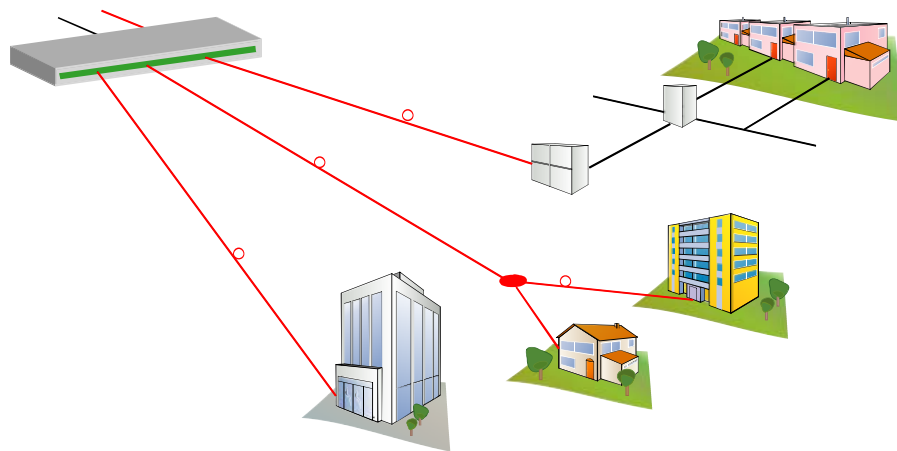


# Enhanced Return Path Systems

Introduction/Applications

## Applications

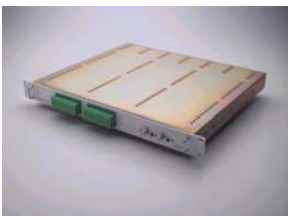
- ◆ Ideal for handling of large number of return paths channels.
- ◆ Need to optimise the return path performances in deep fiber architectures.
- ◆ Need to reduce the complexity of combining RF channels.
- ◆ Cost effective alternative for sending return paths to the headend over a single fiber.



### MULTIPLE RETURN PATH RECEIVER

The EMC multiple return path receiver is designed to efficiently combine the return path lines, and is especially suitable when number of return channels to process becomes significant.

The incoming optical return paths are optically combined and converted into a single RF output. One single unit can collect anywhere from 4 to 32 return channels. The RF output feeds either the Cable Modem Termination System (CMTS) or the input of a return path transmitter for further carriage over one single fiber. The unit is available as a 1HE/19" rack unit or as a cast aluminium enclosure for outdoor installation.



### MULTIPLE RETURN PATH TRANSCEIVER

The EMC multiple return path transceiver is designed to efficiently combine and re-transmit the optical return signals over one single fiber. It is especially suitable when number of return channels to process becomes significant and where reducing the fiber requirement is needed.

The incoming optical return paths are optically combined, converted and re-transmitted into one optical output. One single unit can collect anywhere from 4 to 32 return channels. The unit is available as a 1HE/19" rack unit or as a cast aluminium enclosure for outdoor installation.