



## Fiber Distribution Amplifier (FDA)



### Features and Benefits

The Intercept Fiber Distribution Amp provides for 16-way optical splitting and combining, including amplification with the optional EDFA module. The FDA is only single fiber on the input. It includes 16 output fibers.

The Fiber Distribution Amplifier also provides for 16 diode Multi Diode Receivers (MDR), to eliminate Optical Beat Interference (OBI). When connected to 16 individual RFoG or AFN units, the MDR's ensure no optical interference between those 16 units.

The Fiber Distribution Amplifier is an outdoor, line mountable, rugged device that can extend and expand the existing HFC infrastructure. The unit is interoperable regardless of RFoG or Mini Node manufacturer.

- **Extend Network Reach** - The Intercept Fiber Distribution Amplifier is a high output low distortion fiber amplifier usable in a wide variety of CATV applications and is compatible with DOCSIS 4.0 up to 1794 MHz.
- **Performance** - Modular high sensitivity MDR covers 5-204 MHz return band. Optional extended temperature range EDFA with output access levels adjustable from -3 to +3 dBm on the EDFA.
- **Powering** - The unit consumes less than 16 watts of power via the local (40-95 VAC powering).
- **Simple installation** - The units can be installed indoors or outdoors in either strand or pedestal mount.