1. USU MODULES

Overview

Theory Of Operation

The USU RF to Fiber Modules provide a single-band link from a Head-End Distribution center to multiple local antennae. RF Signals are distributed over a pair of Single-Mode Fiber-Optic Distribution Lines. Note that the Remote Module Fiber-Optic I/O's are band specific, but the Head-End Fiber-Optic I/O's are not; the Head-End I/O's may be used for any band. The models are....

Models

MODEL	DESCRIPTION
US800TP Remote Module	Wall, Shelf, or Rack Mounted Remote Module that connects to the Single-Mode Fiber-Optic Distribution Lines and provides a single duplex Antenna RF Distribution connection. This model covers **800MHz Trunking / iDEN / Public-Safety Services** (806-824 MHz / 851-869 MHz).
US800C Remote Module	As above, but this model covers **800MHz Cellular Services** (824-849 MHz / 869-894 MHz)
US900P Remote Module	As above, but this model covers **900MHz Paging Services** (896-902 MHz / 928-941 MHz)
US1900P Remote Module	As above, but this model covers **1.9GHz PCS Services** (1850-1910 MHz / 1930-1990 MHz).
Note that for each Model above there is a Model with a **"-2"** suffix. These extra models have **separate Rx and Tx RF Ports** instead of a combined Transceiver (Antenna) Port.	
US-PS01	Power Supply for 1 US Remote Module.
LNKFIB-H03 Head-End Module	This is a 1U high, 19" Rack-Mount Module providing low signal level interfacing between Head-End RF Modules and 8 Pairs of Single-Mode Fiber-Optic Distribution Lines. The 8 Fiber-Optic Pairs are in two groups of four, with the RF connections combined inside the Module in those groupings.
LNKFIB-H04 Head-End Module	This is a 1U high, 19" Rack-Mount Module providing low signal level interfacing between Head-End RF Modules and 4 Pairs of Single-Mode Fiber-Optic Distribution Lines. The RF connections for the 4 Fiber-Optic Pairs are combined inside the Module.