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## Operational Description for LNKC1900 LinkNet 1.9 GHz LinkNet PCS Amplifiers

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### Theory Of Operation

A LINKNET CDMA PCS MODULE is a banded repeater amplifier. The most common LINKNET CDMA PCS MODULE applications are the extension of above ground signals into buildings, tunnels, vehicles or the extension of radio coverage patterns into outdoor shaded areas such as deep valleys.

From an applications standpoint, an LINKNET CDMA PCS MODULE is very similar to a regular two-way radio repeater. On Frequency Radio Repeaters can be combined using regular two-way radio multicoupling or duplexing equipment and have input and output signal characteristics to those of regular transmitters and receivers. The one special consideration in LINKNET CDMA PCS MODULE systems is that of input to output antenna isolation. This must be carefully engineered for each installation.

The Modules are designed for indoor use only and are intended for mounting in a standard EIA 19 inch rack. Modular design of LINKNET CDMA PCS MODULE circuitry allows for easy servicing, stocking of spares, adaptability and upgrade ability.

### Models

LNKC1900 MODULE FAMILY		
MODEL	TYPE	FREQUENCY
LNKC1900-D	DownLink 1.25MHz BandWidth	1930 to 1990 MHz
LNKC1900-D5	DownLink 5MHz BandWidth	1930 to 1990 MHz
LNKC1900-D15	DownLink 15MHz BandWidth	1930 to 1990 MHz
LNKC1900-U	UpLink 1.25MHz BandWidth	1850 to 1910 MHz
LNKC1900-U5	UpLink 5MHz BandWidth	1850 to 1910 MHz
LNKC1900-U15	UpLink 15MHz BandWidth	1850 to 1910 MHz

# LNKC1900 RF Module

