

## MDR-8000 CommPak Low-Profile Shelf with Outdoor Enclosure



### Overview

The MDR-8000 CommPak is a reduced-size package for non-standby radio configurations. It is applicable to the entire product line, covering all frequency bands and all capacities of the MDR-8000 family. In addition to its greater space efficiency, the CommPak offers solutions for both indoor and outdoor installations.

### Non-Standby Applications

Many network architectures do not require the built-in 1+1 equipment redundancy of the standard MDR-8000 shelf. Low-density microwave routes with less than 8 T1 are commonly equipped with 1+0 protection. Also, when radio is used for back-up to other wireline facilities, redundancy of the radio electronics is not required. Even highly secure networks that utilize ring protection switching don't require redundant radio electronics since the service protection is provided by the circuit multiplexers, not the radio link. The low profile, MDR-8000 CommPak is ideal for these applications.

### Outdoor Applications

Also, operators are increasingly finding the need to locate radio equipment at sites that lack space for traditional indoor installations. The MDR-8000

CommPak offers an ideal solution for such situations with a pole-mountable outdoor enclosure. This configuration allows operators to set up a microwave terminal simply by affixing the CommPak cabinet to an available pole or wall, or simply by setting a 4 1/2" steel pipe in the ground. In fact, the CommPak cabinet dimensions are small enough that the radio may be mounted directly behind or near the antenna. This can provide benefits such as reduced transmission line loss and elimination of costs for leasing space on the ground.

### Network Compatibility

The MDR-8000 CommPak extends the applicability of the entire MDR-8000 product line and provides means for quick and efficient deployment. This enhancement continues Alcatel's commitment to be the best choice for reliable wireless communications for every operator – cellular companies, local exchange carriers, public safety agencies, railways, pipelines, utilities, television stations, and private enterprise.

# Alcatel MDR-8000 CommPak



## Features

- > Space efficient chassis for non-standby configurations
  - Indoor chassis = 4 rack increments tall
- > Supports entire range of capacities and frequency bands for the MDR-8000 family
- > Capacity
  - 2 – 16 DS1
  - 1 – 3 DS3, with 1-3 wayside T1
  - OC-3, with 3 wayside T1
- > Frequency bands <sup>1</sup>
  - 2 GHz
  - 5.8 GHz (unlicensed)
  - Lower and Upper 6 GHz
  - 7/8 GHz
  - 10.5 GHz
  - 11 GHz
- > Retains all performance and overhead features of the conventional MDR-8000:
  - Same RF performance
  - USI craft interface with ELMC
  - SNMP, MCS-11 and TBOS telemetry
- > Module interchangeability with the entire MDR-8000 product line
- > Configurations supported:
  - Non-standby
  - Non-standby with space diversity
  - Ring or loop terminal
- > Indoor or outdoor mount

## Technical Specifications

- > Dimensions
  - Indoor Chassis: 7"H x 17.5"W x 16.5"D
  - Outdoor Cabinet: 24.75"H x 8.25"W x 16.25"D
- > Weight
  - Indoor Chassis: 45 lbs
  - Outdoor Cabinet: 70 lbs
- > Temperature range (environment)
  - Indoor Chassis: 0° to +50° C
  - Outdoor Cabinet: -20° to +50° C



Note: Specifications subject to change without notice. Contact Alcatel for latest information.

1. See individual MDR-8000 technical data sheets for specific frequency bands of operation and performance specifications.

[www.alcatel.com](http://www.alcatel.com)

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