9500 Microwave Packet Radio (MPR) Family
NORTH AMERICA MW MARKET SHARE
(4Q Rolling ending 1Q13)

NAR MW Market
645 $M (+18.4% YoY)

Source: Dell’Oro Group May 2013

- **NAR**: 15.7% of WW revenues
- **Rankings**:
  1. Alcatel-Lucent
  2. Aviat Networks
  3. Ericsson
  4. Cambium Networks
  5. NEC
  6. Ceragon
  7. Others

**Alcatel-Lucent #1 in North America**
NAR market increased by 18.4% YoY 4Q rolling
ALU market share in NAR increased YoY 4Q rolling (39% to 42.2%)
9500 MPR (Microwave Packet Radio)
9500MPR NODAL CONFIGURATION

- **MPT-GC**
- **60GHz**
- **MPT-HC**
- **6-38 GHZ**
- **MPT-HL**
- **6-11 GHZ**
- **Sub-6 GHZ**

- **Eth**
- **ATM**
- **TDM**

= Hop In A Box

**MPR Nodal Indoor Unit**
9500 MPR Hop In A Box

Outdoor Unit (RF + Antenna)

50 Meters of Cat5e cable

MSS-1

Outdoor Unit (RF + Antenna)

50 Meters of Cat5e cable

MSS-1
9500 MPR MSS-1

- ½ U “thin crust pizza box”
- 16DS1 + 6 Gbit/s interfaces
- Full Interoperability with MSS4/8 since software is common
- Support of up to 6 MPT-HC/XP/ 2 MPT-HL
- Typical Applications
  - Last Mile access point
  - Access Ring Nodes
  - Repeater Nodes

- Fan-less Design Temperature hardened -40 °C to +65 °C
- Designed to meet Telecordia GR3108 Class 2 and IEEE 1613
- 1+0, 1+1 radio protection
- Multiservice Ring protection 8032 v2 support for access rings
- 2 PFoE interfaces available for MPT-HC powering
- 2+0 LAG L1
- Fully Redundant PSU supporting ±20 - ±72 VDC
- Housekeeping IN/OUT management
MPT-HC / MPRe

Optional XPIC & RPS module

RPS (1+1)

XPIC Port

Antenna Alignment Port

SFP - Optical Data Port

RJ-45 - PoE, Power

DC Power: -48 VDC
Range: 40.5 to 57.6 VDC

Power consumption
XPIC board: 7W
SFP: 1W

Power consumption: 39W

Dimensions
9.5 x 9.5 x 6.0 in.

Weight: 12 lb.

Temperature range
-33C to +55C
9500MPR Integrated Antenna Options

MPT-XP With Integrated Antenna

MPT-HC With Integrated Antenna
9500 MPR (Microwave Packet Radio) Hop In A Box Program
9500 MPR Special Offer

Hop in a Box

- **5.8 GHz Hop - $13,740**
  - Operates in 5.8 GHz Unlicensed Band, 30Mhz Channel
  - 5.8 GHz MPT-HC
  - MSS1 Kits
  - RTU 160 Mbps capacity
  - Current Release of Software License
  - Flash cards
  - CAT5e cable & Ground Kits
  - 3MU00115AA (5725.5-5785.5/5789.5-5849.5 MHz)
  - 5.8 GHz integrated 3-ft. dish
  - Antenna pipe mount
  - -48V 5 A Power Supply

- **11 GHz Hop - $20,296**
  - Operates in 11 GHz Licensed Band, 30Mhz Channel
  - 11 GHz MPT-HC
  - MSS1 Kits
  - RTU 160 Mbps capacity
  - Current Release of Software License
  - Flash cards
  - CAT5e cable & Ground Kits
  - 3MU00115AB (10695-10961/11199-11485 MHz)
  - 3MU00115AC (10933-11200/11430-11705 MHz)
  - 11 GHz integrated 4-ft. dish
  - Antenna pipe mount
  - -48V 5 A Power Supply

The BOM of the kit is set. No substitutions. Shipping and services not included. Custom configurations are available upon request.
9500 MPR Special Offer

Hop in a Box

• 18 GHz Hop - $13,166
  - Operates in 18 GHz Licensed Band, 30Mhz Channel
  - 18 GHz MPT-HC
  - MSS1 Kits
  - RTU 160Mbps capacity
  - Current Release of Software License
  - Flash cards
  - CAT5e cable & Ground Kits
  - 3MU00115AD (17700-18140.5/19260-19700.5 MHz)
  - 18 GHz integrated 2-ft. dish
  - Antenna pipe mount
  - -48V 5 A Power Supply

• 23 GHz Hop - $13,166
  - Operates in 23 GHz Licensed Band, 30Mhz Channel
  - 23 GHz MPT-HC
  - MSS1 Kits
  - RTU 160 Mbps capacity
  - Current Release of Software License
  - Flash cards
  - CAT5e cable & Ground Kits
  - 3MU00115AE (21198-21819/22400-23019 MHz)
  - 3MU00115AF (21781-22400/22981-23600 MHz)
  - 23 GHz integrated 2-ft. dish
  - Antenna pipe mount
  - -48V 5 A Power Supply

The BOM of the kit is set. No substitutions. Shipping and services not included. Custom configurations are available upon request.
# 9500 MPR BOM

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<th>ITEM CODE</th>
<th>ITEM DESCRIPTION</th>
<th>Sell Price</th>
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<td>MSS1 Kit</td>
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Questions
Contact Info

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rschneible@infinitytdc.com

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