

# WiMAX Femtocell Access Point

Delivering superior End-to-End Femto solution for our customer to expand further in the residential and in-building market



- Full-featured Mobile WiMAX base station
- Easy Installation
- Standards Compliant
- RF Interference Mitigation Solution

## WiMAX Femtocell Access Point

LG-Nortel offers extensive portfolio of advanced access products with which it is targeting leadership in "small cell" solutions for 4G and beyond. To solve in-building coverage problems of wireless carriers, LG-Nortel's portfolio of Femtocell solutions allows carriers to provide a full set of mobile services within homes and offices while opening up new revenue streams as well as allowing flexibility in network deployment.

LG-Nortel WiMAX Femto AP delivers cost-effective WiMAX coverage in the residential area, where it is needed the most. By simply connecting the device to an existing DSL or Cable Modem at home, all users in the home will be able to enjoy high-quality wireless service with no manual configuration or operation by the users.

### Main Features

- Full-featured Mobile WiMAX base station
  - Supports full suite of data and communications services with QoS
  - Supports 30+Mbps of downlink data throughput
  - Supports 2x2 MIMO configuration
- Easy Installation
  - Supports "no-touch" Plug'n'Play installation
  - Supports automatic configuration
- Standards Compliant
  - Mobile WiMAX Wave 2 Compliant
  - WiMAX Forum Open R6
- RF Interference Mitigation Solution
  - Network-assisted Tx-power management
  - Dynamic RF and PHY configuration

### Technical Specifications

- Mobile WiMAX Wave 2 Compliant (IEEE802.16e)
- Frequency bands: 2.3/2.5GHz
- Channel Bandwidth: 3.5/5/8.75/10MHz
- Radio Conformance: WiMAX RCT Compliant
- R6 Interface: Profile C (Open R6)
- Backhaul Connection: 10/100Base-T
- Timing Sync: Flexible Options (A-GPS / TV-GPS / IEEE1588)
- Supports all Open, CSG Closed and CSG Open service models
- Capacity: Up to 10 active users



### About LG-Nortel Co. Ltd.

LG-Nortel is a joint venture of LG Electronics and Nortel. Established in 2005, LG-Nortel provides leading edge telecommunications equipment and network solutions, spanning wired and wireless technologies, to service provider and enterprise customers in Korea and around the world. LG-Nortel is also actively developing next generation solutions for global markets, with over 1,000 skilled R&D engineers currently focused on wireless broadband technology evolution and the development of powerful new product lines. For more information on LG-Nortel, visit [www.lg-nortel.com](http://www.lg-nortel.com).



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