ALCATEL-LUCENT 9362 ENTERPRISE CELL V2.2 2100 MHZ
RELEASE BCR 3.0 AND BCR 2.4.1

The Alcatel-Lucent 9362 Enterprise Cell (EC) V2.2 cost-effectively extends Wideband Code Division Multiple Access (W-CDMA) coverage and high-speed packet access (HSPA) capacity to businesses, delivering fast, responsive data service and crystal-clear voice. With scalable capacity, the Alcatel-Lucent 9362 EC is just the right size for enterprises, whether they have 16, 24 or 32 users. Additionally, the Alcatel-Lucent 9362 EC has a unique capability to form autonomous self-organizing groups of coverage, so medium to large enterprises, requiring many access points, are as easy to cover as offices needing only a single 9362 Enterprise Cell.

Front

Back

The Alcatel-Lucent 9362 EC is well-suited for filling holes in coverage within buildings, providing coverage for high-use hotspots such as lobbies, cafeterias and conference rooms, or for wholly blanketing an enterprise with superior Third-Generation (3G) coverage. With Alcatel-Lucent 9362 EC application enablement application programming interfaces (APIs), mobile service providers (MSPs) also have the flexibility to create new innovative services targeted at business users, building sustainable revenue opportunities for years to come.

The Alcatel-Lucent 9362 EC uses a flat IP architecture and secured access over an Ethernet connection to substantially reduce capital expenditures (CAPEX) and operating expense (OPEX), while simultaneously offloading voice and data traffic from the macro network. True plug-and-play capabilities and Bell Lab's Self-Organizing/Self Optimizing Network (SON) technology ensure zero-touch configuration for individual ECs and only light radio planning for groups of enterprise cells. SON also enables enterprise cells to self-optimize to deliver outstanding performance with reduced operational expenses. The Alcatel-Lucent 9362 EC is part of the carrier-grade, end-to-end Alcatel-Lucent 9360 Small Cell solution that easily integrates into any operator's existing 3G network. The Alcatel-Lucent 9362 EC is part of the carrier-grade, end-to-end Alcatel-Lucent 9360 Small Cell solution that easily integrates into any operator's existing 3G network.

FEATURES

- Small, lightweight device that may be installed in a free-standing position or mounted on a wall or ceiling
- Flexible coverage, supporting a maximum transmit power of 100 mW or 250 mW
- Scalable capacity, which supports 16 users with options to upgrade to 24 and 32 users
- Comes with Two integrated omnidirectional antennas
- Receive (Rx) space diversity for improved signal quality and greater capacity
- 64 QAM for higher throughput
- SON capabilities
- Secure outer casing – forced opening may optionally disable the unit permanently
- Support for shared secret and certificate-based authentication
- Access control with support for open, prioritized open, and closed modes
- Small cell net capability to form autonomous self-organizing groups of extended coverage
- Handovers to and from the macro network
- Applications enablement with presence API, network local routing and Internet traffic breakout
- Complete status reporting with user enabled/disabled bi-color LEDs

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BENEFITS

- Easily deployable anywhere within any size enterprise
- Grows with the enterprise, with pay-as-you-grow capacity
- Fast and reliable data connections and high data throughput
- Offers extended W-CDMA coverage and high-speed downlink packet access (HSDPA)/high-speed uplink packet access (HSUPA) capacity to the enterprise with a low total cost of ownership (TCO)
- Provides secure access to MSP's network
- Offers deployment flexibility – may be deployed individually or in groups that autonomously self-organize into a meshed network providing coverage for any size enterprise
- Provides seamless mobility and simultaneous voice and data service continuity with the macro network, as well as with other small cells within an enterprise group
- Enables the development of value-added, innovative services based on location, presence, QoS and trusted security

TECHNICAL SPECIFICATIONS

Dimensions (H x W x D)

- 252 x 166 x 44 mm
- 9.9 x 6.5 x 1.7 in

Volume

- 1.84 liters
- 1.94 quarts

Weight

- <1 kg
- <2.2 lb

Mount

- Free standing, wall mountable or ceiling mountable

Power

- Supply
  - ¬ Power over Ethernet (PoE+)
  - ¬ 12 V DC
- Supply options
  - ¬ External AC/DC adaptor – 110/240 V AC to 12 V DC
  - ¬ External PoE+ capable router (not supplied) or power injector (optional)
- Consumption
  - ¬ 100 mW option: < 20 W max
  - ¬ 250 mW option: 20 W max

Protocols and interfaces

- Radio Access Network Application Protocol (RANAP) on Iuh
- RANAP on Iu Prime
- Transmission and PoE+: Gigabit Ethernet (GigE) connection (1000Base-T RJ45 connector)
- Local GigE connection to any other device: 1000Base-T RJ45

Certification

- CE

Compliance

- RoHS
- WEEE
- Basic requirements of Directive R&TTE 1999/5/EC on telecommunications terminal equipment, pertaining to electromagnetic interference, safety and health

Operating temperature

- -5°C to +45°C
- 23°F to 113°F

Operating relative humidity

- 5% to 95%

Electrical safety

- EN 60950-1

Health safety

- 1999/519/ec including EN 50383 and EN 50385

Electromagnetic compatibility (EMC)

- EN 301 489-1
- EN 301 489-23
- EN 301 908-1
- EN 301 908-3
- EMC Directive 2004/108/EC
- EN-55022 Class B/CISPR22 Class B
- EN-55024/CISPR 24
- 3GPP TS 25.113

Radio characteristics

- Operating band: 2100 MHz
- Listening bands
  - ¬ 2100 MHz UMTS
  - ¬ 900/1800 MHz GSM
- Rx diversity
- Capacity
  - ¬ 16 active users
  - ¬ Option to increase capacity in steps of 8 users, up to a maximum of 32 active users, with the purchase of additional licensing keys (with SW release BCR 3.0)
- Maximum bearers
  - ¬ BCR 2.4.1
    - – 14.4 Mb/s HSDPA
    - – 2 Mb/s HSUPA
  - ¬ BCR 3.0
    - – 21 Mb/s HSDPA (with 64 QAM optional feature)
    - – 5.7 Mb/s HSUPA
- Maximum transmission power
  - ¬ BCR 2.4.1
    - – Two orderable versions: 100 mW or 250 mW
  - ¬ BCR 3.0
    - – 100 mW
    - – Option to increase transmission power to 250 mW with the purchase of additional licensing key
- Sensitivity: -107 dBm

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