MovingMedia® RNC6000

RADIO NETWORK CONTROLLER

ENABLES CONTROL AND MANAGEMENT OF THE RADIO ACCESS NETWORK (RAN) IN A TD-CDMA NETWORK

- **STANDARDS-BASED**
- **HIGH CAPACITY**
- **FLEXIBLE CONFIGURATION**
- **COMMON HARDWARE PLATFORM**
- **CARRIER-CLASS**

The UTStarcom MovingMedia® RNC6000 is the intelligent controller of the radio network (NodeB) in the 3GPPstandard-based UMTS TDD network. The RNC6000 processes and routes voice and data traffic between circuit/packet networks and the UTStarcom MovingMedia 6000 NodeB.

Sharing a common hardware platform with the GGSN and SGSN components in the MovingMedia 6000 portfolio, the RNC manages mobility and handoff functions via an IP connection to the NodeB on the radio network and to the SGSN on the core network.

The RNC6000 supports a Fast Ethernet connection to the NodeB and Fast Ethernet or Gigabit Ethernet connection to the SGSN. The RNC can be co-located with the NodeB at a cell site or can be located centrally with the core network components of the network. The advanced design of the RNC6000 enables efficient utilization of the available radio spectrum, cell coverage optimization, enhanced cell capacity and quality of service (QoS). The RNC6000 provides carrier-class reliability and complete fault tolerance.

KEY FEATURES AND BENEFITS

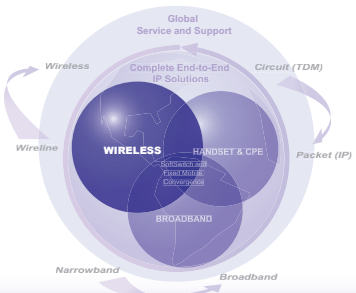
Standard-based: Based on the 3GPPUMTS TDD standard, the RNC6000 ensures that the UTStarcom MovingMedia 6000 solutions are interoperable with standard-based network elements of other vendors.

High Capacity: Acomplete RNC system with two chassis can support up to 80 cells and can provide a total throughput capacity of 480Mbps, using frequency reuse factor of one at 10MHz 16QAM operation. The RNC can be co-located with the NodeB at a base station site or centralized to support multiple base station sites.

Flexible Configuration: The RNC's modular design ensures a linear and easy capacity expansion without affecting ongoing service and connection.

Common Hardware Platform: The RNC6000 is based on the same hardware as the GGSN and SGSN, which ensures tremendous cost advantage for the operator since the various network elements can be integrated into the same chassis and/or rack. In addition, operators also realize significantly lower costs in operations, management and maintenance by leveraging common hardware.

Carrier-Class: While providing carrier-class reliability, fault tolerance and system redundancy, the RNC ensures that the network meets operator requirements and delivers exceptional functionality for an incomparably low cost.



Technical Specifications

PERFORMANCE SPECIFICATION

- Supports 80 cells in 10MHz 16QAM operation with frequency reuse factor of one with 2 chassis configuration
- Supports 18,000 active users
- 480Mbps maximum throughput
- 99.999% reliability

PHYSICAL INTERFACES

- RNC-NodeB: Fast Ethernet
- RNC-SGSN: Gigabit Ethernet or Fast Ethernet

POWER REQUIREMENTS

- Power Consumption: Less than 1400W per chassis
- Power Supply: -48V DC (-42V ~ -56V)

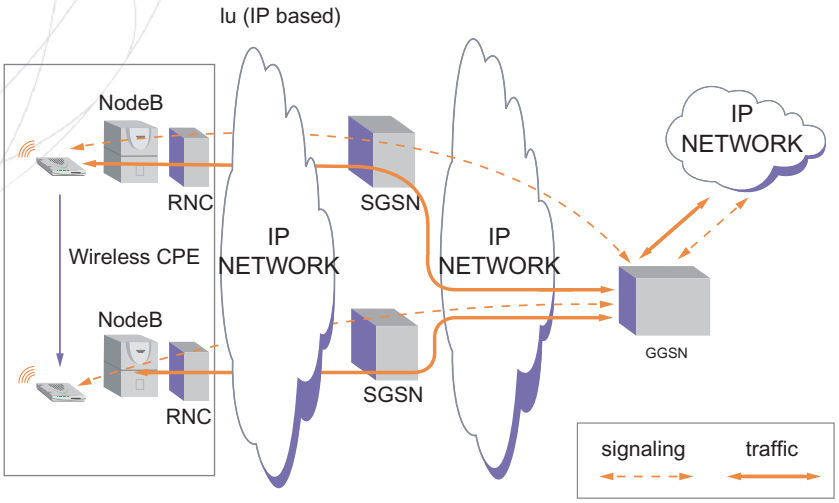
ENVIRONMENTAL

- Temperature Range
  - Normal operation: 0-45°C (32-113F)
- Humidity
  - Operating: 5%-90% (Normal Operation)
  - Less than 95% Storage
- Air Pressure: 70-106kPa

PHYSICAL CHARACTERISTICS

- Size (H x W x D): 622 x 483 x 381mm (24.9in x 19.3in x 15.2in)
- Chassis Weight: 30kgs/66lbs fully configured;20kgs/44lbs empty chassis

UTStarcom UMTS TDD (TD-CDMA) Network



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About UTStarcom, Inc.
UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

WS-DS-0028-RNC6000-0906