

Total Control® 2000 HA

HOME AGENT

SCALABLE, HIGH-DENSITY SOLUTION FOR PROVIDING INTERNET AND CORPORATE INTRANET ACCESS VIA MOBILE IP-BASED SERVICES



- **HIGH CAPACITY**
- **SUPERIOR DENSITY**
- **PEAK AVAILABILITY**
- **EASY SCALABILITY**
- **3G SOLUTION PLATFORM**

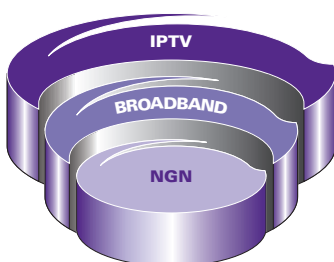
The UTStarcom® Total Control® 2000 Home Agent (HA) provides fast, high-performance voice and data services for mobile subscribers. Working in conjunction with the UTStarcom Total Control® 2000 Packet Data Serving Node (PDSN), this robust solution identifies locations of mobile users and delivers packets to mobile devices by communicating with the Foreign Agent (FA) component of the PDSN. The solution builds on UTStarcom's industry leading Total Control 1000 platform, a carrier-class platform that provides operators with powerful access for enhanced data systems such as third-generation (3G) cdma2000 networks. With the Total Control 2000 solution, operators benefit from a robust platform for delivering 3G wireless services and applications to large, expanding subscriber populations. Operators can take full advantage of 3G technology's greater channel capacities for wireless communications. 3G technology enables wireless mobile handsets to send and receive data at higher speeds and provides a solution for mobile Internet access and next-generation high-speed voice and data applications.

HIGH DENSITY AND CAPACITY

Designed for operators that serve areas with growing demands for wireless data services, the Total Control 2000 platform provides superior density in each high-performance system. A single chassis houses 12 wireless application cards, two shelf controller cards, and two system manager cards. The platform provides more than 10 times the capacity of a Total Control 1000 system and can scale to support more users using a high-bandwidth infrastructure, component integration, and multi-chassis configuration. Each shelf supports 1.2 million binding records, enabling a system consisting of three shelves to support 3.6 million binding records via one fully loaded rack.

A WEALTH OF BENEFITS

This powerful solution offers a wide array of benefits, including high availability, performance, and processing power. Each Total Control 2000 platform features redundancy, fault-tolerance, load balancing, and sophisticated Quality of Service (QoS) management. Modular and highly scalable, the solution enables operators to add cards and chassis to support new users and applications.



PHYSICAL CHARACTERISTICS

- Shelf height: 24.5 in
- Shelf depth: 17.72 in
- Shelf width: 17.25 in
- Front or mid mountable (19 or 23 in with adapter)

Each Total Control 2000 shelf contains one slot for two half-height shelf control modules, two slots for system manager modules, and 12 slots for application modules.

PHYSICAL CONFIGURATION

- Three shelves per standard 7 ft (44U) rack
- One power distribution panel per rack (2U)

PACKET INTERFACE

- Two redundant Gigabit Ethernet interfaces per application card (optical or copper)

MANAGEMENT INTERFACE

- Two 10/100BASE-T and RS-232 interfaces per shelf

CAPACITY

- Control shelf: 1.2 million binding records
- Single system (three shelves): 3.6 million binding records

SAFETY EMISSIONS

- UL1950, C/UL
- EN 60950/IEC950
- FCC Part 15, Class A
- EN 55022/55024
- GR-63-CORE
- GR-1089-CORE
- NEBS Level 3

MANAGEMENT CAPABILITIES

- Consolidated alarm/event reporting
- Fault monitoring
- Diagnostics
- Performance
- Configuration
- Provisioning
- Centralized software update/restore
- Single-point management entry

INTERFACES

- SNMP agent
- Local CLI access via RS-232 console
- Remote CLI access via Telnet
- 5315 Common Element Manager (CEM) for GUI-based element management

ENVIRONMENTAL

- Temperature Range
 - 5~40°C, ambient
 - -40~70°C, storage
- Relative Humidity
 - 25~85% (non-condensing)

POWER

- Redundant DC power inputs with A and B feeds
- -35 to -75V

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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

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