

# Total Control® 1000 HA

## HOME AGENT

### CARRIER-GRADE HIGH-AVAILABILITY PLATFORM FOR ENABLING MOBILE IP BASED SERVICES



- **HIGH CAPACITY**
- **MOBILE IP STANDARDS -COMPLIANT**
- **RAPID SERVICE DEPLOYMENT**
- **FEATURE RICH FLEXIBLE CONFIGURATION OPTIONS**
- **LOAD-BALANCING**
- **FAIL-OVER REDUNDANCY**

The UTStarcom® Total Control 1000 Home Agent is a mobile IP standards compliant solution for providing seamless mobility to wireless mobile nodes. Whether it is a CDMA2000 network or a Wi-Fi WLAN, the Total Control 1000 HA can provide continuous secure access to the mobile's home network. It is a robust, highly available solution for a wireless data network. The Total Control 1000 architecture allows carriers, ISPs, and enterprises to select the configuration that meets their specific needs for features and capacity.

### HIGH DENSITY AND CAPACITY

The Total Control 1000 Home Agent is based on the widely deployed and field-proven carrier class Total Control 1000 platform. Major CDMA2000 wireless service providers have deployed it throughout the world since October 2000.

### MOBILE IP

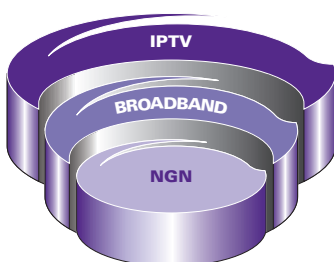
The network-node mobility that mobile IP offers can be a catalyst to the adoption of emerging services such as VoIP over wireless, streaming media, and data service for mass transportation. Moreover, it could change how users access their network services so that always-on services can be provided even as the end user moves from network to network that may span the globe.

For carriers, rolling out mobile IP can increase customer satisfaction in their data service. This increases the value of existing services. In addition, new services can be developed and deployed faster.

The Total Control 1000 Home Agent provides one of the critical components needed by carriers to take advantage of the benefits that mobile IP brings.

### PAVING THE WAY FOR 3G NETWORKS

In building on its background and successful deployment of technology for wireless data service providers, UTStarcom Corporation is now a global leader in the wireless data revolution and provides an end-to-end cdma2000 3G wireless solution. Today, service providers look to UTStarcom for innovative, forward-thinking solutions that are used in wireless data networks around the world. UTStarcom continues to lead the industry as it creates new products and technologies for 3G wireless data networks.



## SOFTWARE

### FOREIGN AGENT INTERFACE

- 3GPP2 Standards-compliant Mobile IP to any Standard-compliant Foreign Agent, UTStarcom-Proprietary Mobile Proxy Agent to UTStarcom PDSN

### STANDARDS SUPPORT

- IP, Mobile IP, L2TP, ICMP, SNMP, IP in IP, GRE, IPSec (56-bit/DES, 168-bit/3DES), IKE/ISAKAMP, Radius, SSH, Telnet, IS-835C

### CAPACITY (PER CHASSIS)

- 160,000 total mobile sessions 1,280 Mbps aggregate throughput

### NETWORK MANAGEMENT

- Network Management Card (NMC) for chassis and card management via SNMP; CLI via telnet, SSH, or local RS 232 craft interface; GUI access via Java based management software

### ADVANCED FEATURES

- Virtualized Home Agent Instances, Dynamic Mobile IP Update, Mobile IP Proxy Agent, VLAN Tagging, CDMA2000 to 802.11 Roaming, Dynamic DNS Update, Registration Revocation, NAT, Packet Filtering, Load Balancing, Fail-over Redundancy

## HARDWARE

### SYSTEM CHASSIS

#### DIMENSIONS

- H 22.2 cm (8.71 in.) x W 48.26 cm (19.00 in.) x L 47.22 cm (18.59 in.), Rack Mountable

#### WEIGHT (FULLY LOADED)

- 29.1 kg (65.0 lb)

#### INTERFACES MODULES

- 16 slots for application module 1 slot for Total Control 1000 network management card 2 slots for AC or DC Dual Redundant PSUs

## OPERATING REQUIREMENTS

### TEMPERATURE

- Nominal: 0 to 40°C

### RELATIVE HUMIDITY

- 5 to 85% (non-condensing)

### SAFETY CERTIFICATION

- UL60950-1
- EN60950-1
- C-UL
- NEBS Level 3 Compliant

### REGULATORY/EMI/EMC

- FCC Part 68
- FCC Part 15 Class A
- EN 55022 Class A
- EN 50082-1
- VCCI
- AUSTEL
- IC CS-03
- ACA

## TOTAL CONTROL 1000 HA MODULE

### PROCESSOR

- IBM PPC 750 375 MHz

### HARDWARE ENCRYPTION

- VLSI ASIC encryption coprocessor capable of processing 3DES IPSec packets at wire speed

### MEMORY

- 256 MB onboard, expandable to 512 MB 32 MB compact flash memory

### INTERFACES

- 2 Ethernet (10/100BASE-T)
- 1 RS 232 (local craft interface port)

## SUPPORT

For an overview of worldwide support, visit <http://support.utstar.com>

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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](http://www.utstar.com)

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