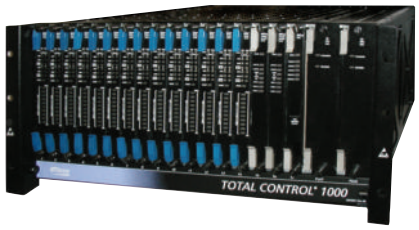
Total Control® 1000 2G Interworking Function

HIGH DENSITY GATEWAY

A SCALABLE,HIGH-CAPACITY SOLUTION FOR WIRELESS CDMA SERVICE PROVIDER NETWORKS



- WIRELESS DATA
- UPGRADABLE PLATFORM
- HIGH CAPACITY
- VPN SUPPORT
- SNMP-BASED MANAGEMENT
- MULTISERVICE SUPPORT
- V.42BIS COMPRESSION
- ANALOG FAX
- PREPAY SUPPORT

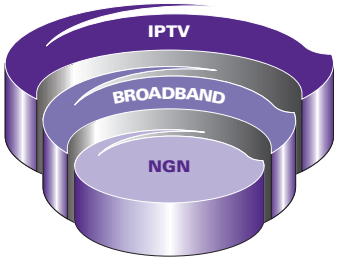
The UTStarcom® Interworking Function (IWF) high-density gateway for the Total Control®1000 offers Code Division Multiple Access (CDMA) service providers the perfect solution for delivering wireless data services to an expanding population of subscribers. It meets wireless CDMAprovider demands for a high-capacity, scalable solution, offering an upgradable platform that provides room for growth.

The IWF gateway allows CDMAservice providers to deliver access to the Internet and corporate intranets in addition to converged voice and data services via the public switched telephone network (PSTN). The gateway is based on the UTStarcom next-generation edge server III platform, a system that provides an excellent mix of processing power, memory, storage, and call capacity. It also provides the ability to upgrade the platform using simple software downloads to enable higher call volumes at a lower cost per call.

UTStarcom's Quick Net Connect, a key feature of the IWF gateway, offers wireless users a faster, more cost-effective method for accessing the Internet or intranet. With this functionality, wireless users bypass modems altogether to rapidly establish direct, all-digital end-to-end connections with no degradation in service or network reliability. Internet or intranet connections are completed in as little as 5 to 7 seconds, versus the 20 to 40 seconds required for making an analog modem call.

THE TOTAL CONTROL®1000 PLATFORM

The IWF high-density gateway is based on the UTStarcom industry leading Total Control®1000 platform, which gives service providers a powerful and complete access solution—including support for remote access, virtual private networking, wireless data, and carrier-class network management applications—all based on a single chassis. The UTStarcom IWF has been deployed in virtually every CDMA network worldwide.



Technical Specifications

IWF SOLUTIONS

Remote access
Corporations with mobile work forces need remote access to corporate resources.With the UTStarcom IWF gateway, CDMA service providers can enable subscribers to quickly and reliably send and receive information via data or fax services.

E-mail access
The use of e-mail by both small and large organizations keeps expanding.The IWF gateway supports access to e-mail anytime, anywhere.

Intranet access
With the IWF gateway, CDMA service providers can offer their corporate customers fast and secure connections to corporate intranets using UTStarcom leading PPTP and L2TP tunneling technologies.

Internet and online
The explosive use of online services and the Internet increased the need for onservice access demand information access.With the IWF gateway, CDMA service providers can offer their subscribers reliable, high-speed, transparent access to the Internet and online services via computer or smart phone.

HARDWARE

Processor

400 MHz AMD K6-3

Memory

256 MB ECC

I/O Bus

PCI 33 MHz

Storage

6 GB hard drive, 33 Mbps

System Requirements

One 130 amp Total Control 1000 chassis

One Total Control 1000 network management card (NMC) and NMC network interface card (NIC)

One to 10 Total Control 1000 quad modem network adapter cards (NACs)

One to two Total Control 1000 dual PRI NAC and NIC sets

One to two Total Control 1000 edge server III and quad T1/E1 NICs

Dimensions and Weight

(Approximate weight of fully loaded chassis depends on configuration)

Length:47.22 cm (18.59 in)

Width:48.26 cm (19.99 in)

Height:17.78 cm (8.75 in)

Weight:24.4 kg (54.5 lb)

Operating Environment

Temperature:5o to 40oC (41o to 104oF)

Humidity:8 to 90%, noncondensing

Regulatory/Agency Approvals

FCC approved (Part 15)

IC (formerly DOC) approved

UL listed

CSA approved

CE

Chassis Capacity

16 card slots, front and rear, for application/interface cards

One card slot, front and rear, for a network management card

Two card slots, front and back, for power supplies

Power Supply

AC and DC fuse protection

Input line fuse protection with all DC PSUs

Auto shutoff in over voltage and short-circuit conditions

Automatic redundant switchover with two units installed

Voltage Requirements

AC PSU - Nominal 120 V (90–132 VAC) @47–63 Hz or switch selectable nominal 240 V (180–264 VAC) @47–63 Hz

DC PSU - Nominal –48 VDC (-42 VDC to –60 VDC) with respect to common

Network Management

SNMP proxy via NMC

Network and Service Management System

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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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