Total Control® 2000 PDSN

PACKET DATA SERVICE NODE

SCALABLE, HIGH-PERFORMANCE SOLUTION FOR DELIVERING THIRD-GENERATION (3G) VOICE AND DATA SERVICES

- HIGH CAPACITY
- SUPERIOR DENSITY
- PEAK AVAILABILITY
- EASY SCALABILITY
- 3G SOLUTION PLATFORM
- SUPPORTS CDMA 2000 EVDO REV-0, EVDO REV-A

The UTStarcom® Total Control® 2000 Packet Data Serving Node (PDSN) is a high-performance access gateway designed to facilitate calls between the radio access network (RAN) and core packet infrastructure. This powerful, high-capacity solution establishes, maintains, and terminates Point-to-point Protocol (PPP) links and performs Foreign Agent (FA) functionality to register and deliver services to roaming callers. This gives subscribers the freedom to access the Internet or corporate intranets wherever they are.

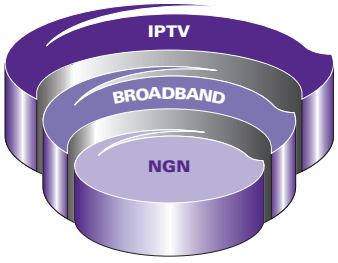
The Total Control 2000 PDSN provides the foundation for delivering third-generation (3G) cdma2000 wireless services and applications to large and growing subscriber populations. Operators that deploy the Total Control 2000 solution can take full advantage of 3G technology's greater channel capacities 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 platforms provides superior density in each high-performance system. Each chassis houses 12 wireless application cards, two shelf controller cards, two system manager cards and two packet switch cards. The platform provides for a high-bandwidth infrastructure, component integration, and multi-chassis configuration.

A WEALTH OF BENEFITS

This powerful solution offers a wealth 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) controls. The solution easily scales at card and chassis levels, enabling operators to support new users and applications at their own pace and time.



Technical Specifications

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, two slots for packet switch cards, and12 slots for application modules.

PHYSICAL CONFIGURATION

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

PACKET INTERFACE

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

*Two redundant 10-Gigabit Ethernet interfaces per switch card (optical).

MANAGEMENT INTERFACE

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

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
- SSH
- 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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