

Total Control[®] 1000 PDSN

PACKET DATA SERVING NODE

A MATURE, FIELD-PROVEN WIRELESS PACKET DATA ACCESS GATEWAY FOR THE CDMA2000 1XRTT AND 1XEVD0 PCS NETWORK



- **3G STANDARDS - COMPLIANT**
- **FEATURE RICH RAPID SERVICE DEPLOYMENT**
- **COST- EFFECTIVE MIGRATION**
- **REDUCED OWNERSHIP COSTS**
- **PROVEN TECHNOLOGY**

In a 3G CDMA2000 wireless data system, the PDSN is the mobile's access gateway to the IP network. It connects to the RAN via the PCF and terminates the mobile's PPP connection. For Mobile IP services, the PDSN tunnels to the mobile's home network via its interface to the Home Agent. For Code Division Multiple Access (CDMA) service providers who want to deploy high-speed 3G packet data services, the UTStarcom[®] Total Control 1000 PDSN offers a cost-effective, seamless solution. It provides a simple migration path, enabling providers to continue offering uninterrupted service via their existing circuit-based wireless data networks as they move to a 3G wireless packet-based and all-IP network solution.

PROVEN TECHNOLOGY

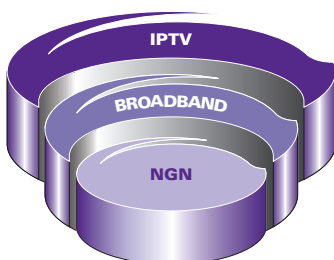
The Total Control 1000 PDSN is based on the widely deployed and field-proven carrier class Total Control 1000 platform. It has been deployed throughout the world by major CDMA2000 wireless service providers since October 2000.

STANDARDS COMPLIANT

Based on the IS-2000 series of standards, the UTStarcom 3G data solution ensures interoperability with all standards-based wireless equipment, giving service providers enormous flexibility in designing and developing their networks. Its open, standards-based architecture provides the scalability and flexibility required for rapid deployment of services and applications that allow service providers to maintain a competitive edge.

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

RAN INTERFACE

- 3GPP2 Standards-compliant RP Interface (A10/A11), Nortel-Proprietary Closed-RP

HOMEAGENT INTERFACE

- 3GPP2 Standards-compliant Mobile IP, UTStarcom-Proprietary Mobile Proxy Agent to allow MIP function for Simple IP mobiles

STANDARDS SUPPORT

- IP, Mobile IP, L2TP, PPTP, PPP, PPP PAP/CHAP, VJ header compression, PPP CCP, Microsoft Point-To-Point Compression, ICMP, SNMP, IP in IP, GRE, IPSec (56-bit/DES, 168-bit/3DES), IKE/ISAKAMP, Radius, SSH, Telnet, IS-835C, IOS 4.2

CAPACITY (PER CHASSIS)

- 128,000 total PPP 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

- Fast Handoffs, IS-835 Always-On, Registration Revocation, Dynamic Mobile IP Update, VLAN Tagging, Pre-Paid Accounting, CDMA2000 to 802.11 Roaming, NAT, Packet Filtering, Mobile IP Proxy Agent, Dynamic Rate Limiting

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 PDSN MODULE

PROCESSOR

- IBM PPC 750 375 MHz

HARDWARE ENCRYPTION

- VLSI ASIC encryption coprocessor capable of processing 3DES

IPSec packets at wire speed

MEMORY

- 512 MB onboard, 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

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