

Total Control® 800 PDSN

PACKET DATA SERVING NODE

COST-EFFECTIVE CDMA WIRELESS CAMPUS / ENTERPRISE SOLUTION IN A COMPACT FORM FACTOR



- **MOBILE IP**
- **COST-EFFECTIVE**
- **SPACE-SAVING DESIGN**
- **3G STANDARDS - COMPLIANT**
- **FEATURE RICH**
- **RELIABLE**

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.

The Total Control® 800 Enterprise PDSN provides a cost-effective, high-performance solution for wireless corporate campus data connectivity. It offers the same performance and reliability of the Total Control 1000 PDSN card set in a sleek, rack-mountable chassis.

Designed for installation at the enterprise premise, this powerful product integrates with corporate data intranet and to PBX systems via a media gateway. Each Total Control 800 system contains a compact PDSN capable of supporting up to 4,000 PPP sessions, upgradeable to 8,000 PPP sessions, and up to 80 Mbps of throughput. This compact system fits into tight office spaces together with micro base stations.

PROVEN TECHNOLOGY

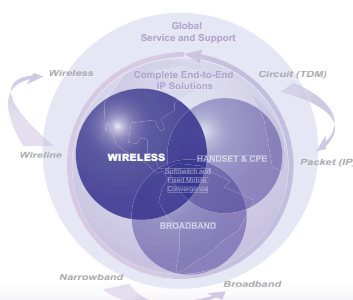
The Total Control 800 PDSN is based on the widely deployed and field-proven carrier class Total Control 1000 platform that has been deployed throughout the world by major CDMA2000 wireless service providers since October 2000.

UTSTARCOM 3G WIRELESS DATA SYSTEM

The Total Control 800 Enterprise PDSN is a small, but powerful standards-based solution. The UTStarcom 3G solution enables high-capacity voice (VOIP) and data wireless communications, enabling wireless mobile handsets to send/receive data at unprecedented speeds of up to 144 Kbps for 1xRTT networks and up to 2.4 Mbps for 1xEVDO networks, and providing a system for enterprise-wide mobile Internet access. The increased bandwidth and robust IP service mobility opens the door for new enhanced data applications, such as multimedia messaging and Push-to-Talk that go far beyond traditional wireless e-mail and simple Internet access.

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 AGENT INTERFACE

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

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

CAPACITY

•10,000 total mobile sessions 80 Mbps aggregate throughput

NETWORK MANAGEMENT

•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

HARDWARE

SYSTEM CHASSIS

DIMENSIONS

• H 1.7 in.x W 17 in.x L 14 in., Rack Mountable

WEIGHT

• 11 lb (without power cord)

POWER

- Input voltage: 90-250 V AC
- AC Line Frequency: 50-75 Hz
- Current Drain: .75A

OPERATING REQUIREMENTS

TEMPERATURE

• Nominal: 0 to 40°C

RELATIVE HUMIDITY

• 5 to 85% (non-condensing)

SAFETY CERTIFICATION

- UL60950-1
- EN60950-1
- C-UL

REGULATORY/EMI/EMC

- FCC Part 15 Class A
- EN 55022 Class A
- EN 50082-1
- EN 55024
- VCCI

TOTAL CONTROL 800 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)

OPTIONAL FEATURES

- Rack Mount
- Rubber Feet
- Rack Mounting Ears

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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