

Total Control® 200 PDSN

PACKET DATA SERVING NODE

CDMA2000 WIRELESS DATA CAPABILITY IN AN INDUSTRY-STANDARD COMPACT PCI FORM-FACTOR



- **COST-EFFECTIVE**
- **INDUSTRY-STANDARD FORM-FACTOR**
- **3G STANDARDS-COMPLIANT**
- **FEATURE RICH**
- **RELIABLE**

The Total Control® 200 PDSN provides a cost-effective, space-saving solution for wireless data connectivity. It offers the same performance, feature and reliability of the Total Control 1000 PDSN contained in a cost-effective compact PCI form-factor.

The industry standard cPCI form-factor of the Total Control 200 HA allows for installation into a cPCI chassis, such as UTStarcom's MovingMedia 2000 Sonata SE chassis or UTStarcom's Total Control 200 2-slot 1U cPCI chassis.

PROVEN TECHNOLOGY

The Total Control 200 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. It offers CDMA wireless standard-compliant interfaces in addition to unique UTStarcom developed enhancements such as the Mobile Proxy Agent that provides mobile IP capabilities to simple IP-only phones.

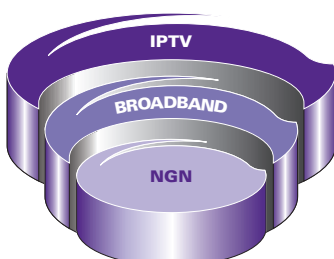
UTSTARCOM 3G WIRELESS DATA SYSTEM

UTStarcom offers wireless service providers a choice of multiple platforms for 3G wireless data system, such as the high capacity Total Control 2000, the mid-range Total Control 1000, the 1U TC800 for the enterprise, as well as the Total Control 200. UTStarcom's 3G solution enables wireless data communications for CDMA2000 wireless users, allowing wireless mobile handsets to send/receive data at speeds of up to 144 Kbps for 1xRTT networks and up to 2.4 Mbps for 1xEVDO networks. 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

Building on its background and successful deployment of technology for wireless data service providers, UTStarcom Corporation is a global leader in the wireless data revolution and provides an end-to-end CDMA2000 3G wireless solution that is highly scalable to meet the most demanding network deployments.

UTStarcom leads in the development of several patents for wireless data technology and drives development in the 3G standards bodies. Service providers look to UTStarcom for innovative, forward-thinking solutions that are used in wireless data networks around the world.



Technical Specifications



SOFTWARE

RAN Interface	3GPP2 Standards-compliant RP Interface (A10/A11), Nortel-Proprietary Closed-RP
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, 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 blade)	4,000 total PPP sessions, upgradeable to 8,000 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

Dimensions	Peripheral card: H 23.335 cm (9.187 in.) x L 16.0 cm (6.299 in.) x W 1.6 cm (0.062 in.) Rear Transition Module: H 23.335 cm (9.187 in.) x L 8.224 cm (3.238 in.) x W 1.6 cm (0.062 in.)
Weight	Peripheral card: 1 lb Rear Transition Module: .5 lb
Current Drain	30W Maximum
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)

Shipping and Storage

Temperature	-25 to 75° C
Relative Humidity	0 to 100% (non-condensing)

Operating Requirements

Temperature	0 to 50° C
Relative Humidity	0 to 95% (non-condensing)
Safety Certification	Complies with UL 60950-1 and c/UL Safety Standards when installed in a UTStarcom Sonata SE Chassis
Regulatory/EMI/EMC	Complies with FCC Part 15 when installed in a Sonata SE Chassis

Support

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

Please note the information contained herein is for informational purposes only. Technical claims listed depend on a series of technical assumptions. Your experience with these products may differ if you operate the products in an environment, which is different from the technical assumptions. UTStarcom reserves the right to modify these specifications without prior notice. UTStarcom makes no warranties, express or implied, on the information contained in this document.

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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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WS-DS-0310-TC200PDSN-0308