



IS835-D
Compliant

Conforms
to 3GPP2
standard

Supports
1xEV-DO
Rev.A

ER2000 PDSN-A



Solution

Provides a total CDMA 1xEV-DO system.

Reliability

Ensures high system reliability with a redundancy configuration.

Capacity

Achieves high capacity processing for 1,450,000 sessions.

Functionality

Includes Quality of Service, Always On and Flow Control functions.

Migration

Allows software upgrades without service interruption.

Will become compatible with IPv6 via software upgrade.

Select interface cards matched to communication traffic

You can select the number of cards to be mounted to match the volume of communication with the BSC-PDSN.

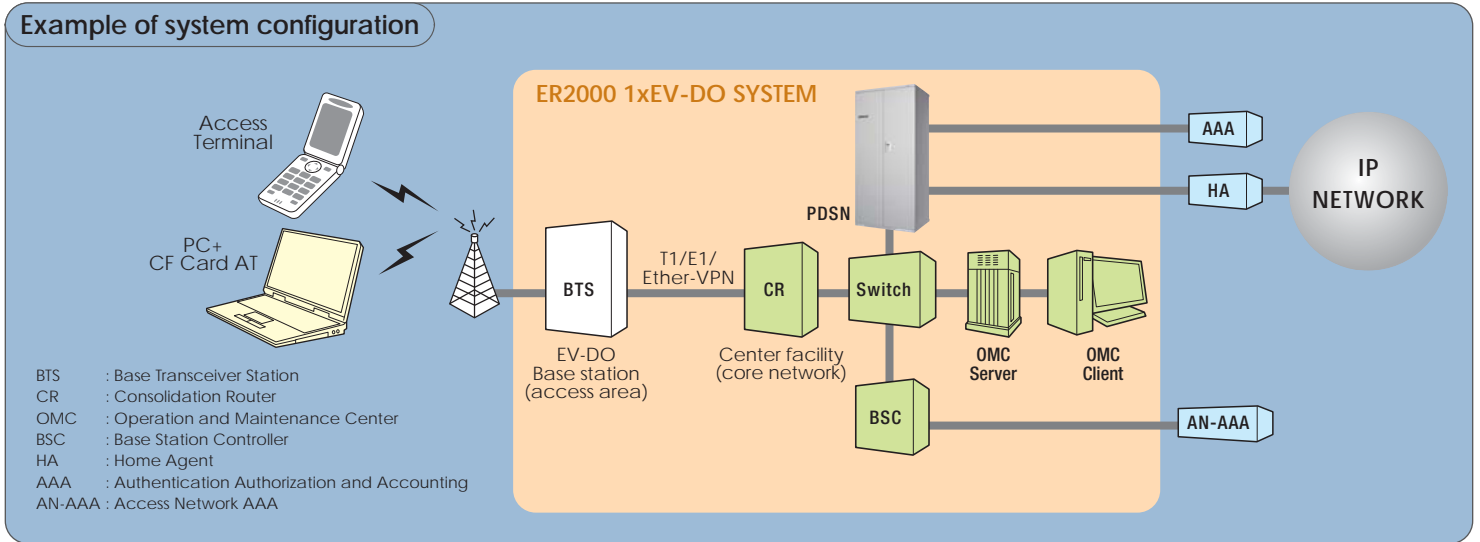
Designated users' data monitor and monitoring function

The PDSN is equipped with a function that monitors the traffic of designated users (domain name, IMSI, etc.) in response to commands from the OMC.

Dual stack mounted Simple IP and Mobile IP

The PDSN features Simple IP and Mobile IP dual stack mounting, permitting Simple IP and Mobile IP terminals to coexist.

Example of system configuration



Specification

Hardware	PPP session	1,450,000 sessions (fully populated)
	Call processing efficiency: Throughput	7,650 call/s: 190 Mbit/s; 4,480 call/s: 590 Mbit/s; 180 call/s: 1,120 Mbit/s
	Network interface	1000BASE-T x 24 / frames [data system x 12 / authentication system x 6 / monitor system x 6]
	Redundancy configuration	Duplex / N+1 redundancy configuration
	Size	795 (W) x 600 (D) x 1,800 (H) mm
	Mass (weight)	500 kg (max.)
	Power consumption	10.0 kW (DC)
	Input voltage	-48 VDC ±10 %
Software	IP protocol	Simple IPv4 / Mobile IPv4
	PPP	IETF RFC1661 standard
	3GPP2	3GPP2 A.S0009 standard, 3GPP2 X.P0011-D standard
	Charging / authentication	IETF RFC2865/2866 RADIUS standard
	Maintenance interface	SNMP, FTP, etc.
Ambient conditions	Operating temperature	10 to 35 °C
	Humidity	20 to 80 %, no condensation
	Quake-proof	Earthquake intensity Japanese scale 7 (Operation during vibration is not assured.)
	Noise	80 dBA or less based on JIS C1502 testing method at a position 1 m from the device.

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To ensure safety and normal operation, be sure to read the operation manual carefully before using the instrument.
Specifications are subject to change without notice.

HITACHI

Hitachi, Ltd.
Networking Solution Dept.
Global Business Planning & Operations Division
Information & Telecommunication Systems

For more information and inquiry.
URL: <http://www.hitachi.com/mobile/>