



# ER2000 Compact EV-DO System

## The Multi-Purpose Platform with Numerous Advantages.

### Solution

Provides standard functions of CDMA 1xEV-DO.

### Compact

Its ultra-compact base station and single RAN device make a CDMA infrastructure possible.

### 1xEV-DO Rev. A Compatible

Provides maximum 3.1 Mbit/s forward data rate service.

### Standalone

All-IP architecture. Can be installed independently from other systems.

### Multi-Purpose Platform

Can be used as a platform for various applications: transmission of voice and data for 3G cellular, WOS, and broadcast or multi-cast.

Voice VoIP

Internet Access

BCMCS Broadcast/Multicast

FMC EV-DO Wi-Fi/WiMax H.O.

Location Global Positioning

Digital Trunking

Video Telephony

## RAN Center Functions

One CPE Controller accommodates RAN Center functions (BSC, PDSN)

## Standard Platform

A standard platform that can easily provide a variety of value-added services (VoIP, BCMCS, etc.) by adding application servers.

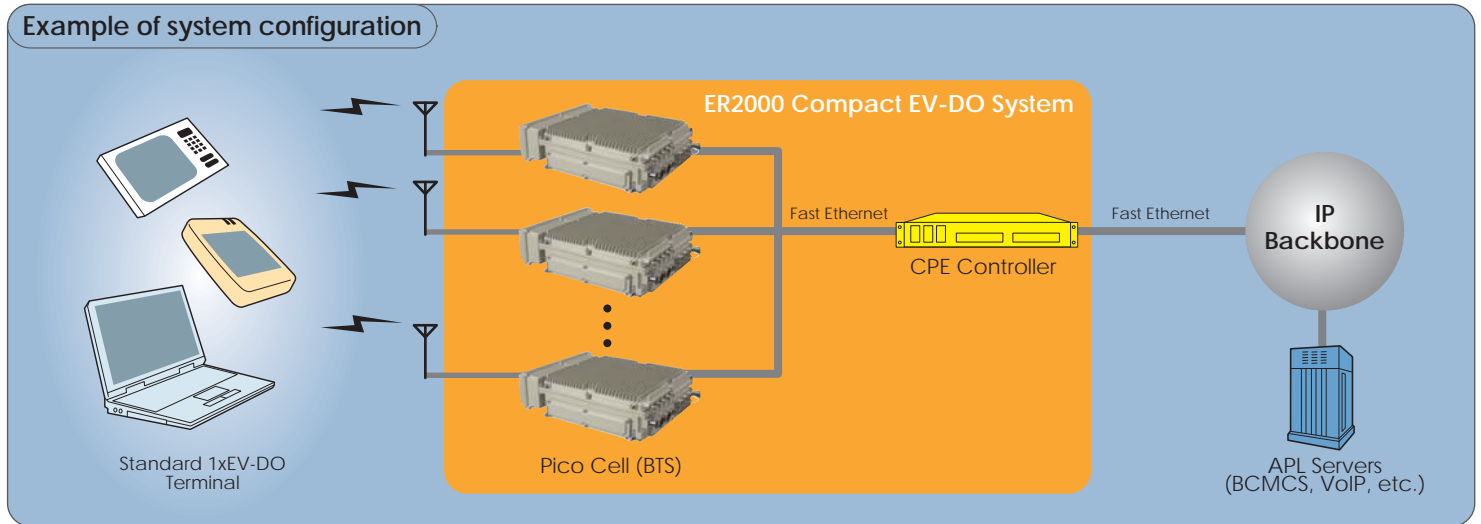
## All-IP Architecture

Adoption of All-IP simplifies setup, operation and maintenance, as well as training in these tasks.

## Optional High Power Amplifier

The optional HPA makes it perfect for wide area coverage for sparsely populated regions.

### Example of system configuration



CPE: Compact EV-DO System

## Specifications

### CPE Controller Software

Applicable AT	Rel.0 & Rev.A
AT max. throughput	F: 3.1 Mbit/s R: 1.8 Mbit/s
Interface to BTS/NW	Fast Ethernet
Hand off	Support
AN-AAA IF	Supports A12 interface
AAA IF	Radius

CPE Controller Hardware: IA-32 Server

### Pico Cell (BTS)

Air interface	1xEV-DO Rev.A, 1 carrier, 1 sector
Frequency bands	F: 3.1 Mbit/s R: 1.8 Mbit/s 800 MHz Band class 0
RF Power output (BTS terminal)	0.05 W - 0.5 W / carrier / sector
Interface to RAN	E1/T1 x 3, Fast Ethernet x 1
Size	Approx. 15 L
Power consumption	120 W
Power supply	-48 VDC
GPS Antenna IF	1 port

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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.

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