



DEX28™ – 2 Port VoIP Gateway for Ericsson MD110 and BusinessPhone

IPTC Technology Communication AB



- Call Center
- Remote Office
- Home Office
- Remote Operator
- ...

Secure your existing and on-coming investments while opening new possibilities with DEX28!

Key Features

- Supports all DTS, OWS and OPI with full PBX functionality, including firmware upgrade on Dialog 4000
- Certified and functionally tested by Ericsson
- Simple, cost-effective and ease-of-use operation and maintenance
- Release independent of MD110 and BusinessPhone
- Built-in CT-Adapter for remote OWS
- Secure authentication and authorization
- QoS and VLAN support
- Variable bandwidth depending on requirements and needs
- SoftPhone with full DTS functionality for ACD agent or OWS
- DECT/GAP portable parts as digital extension (requires SoftPhone and compatible DECT FP)
- SoftPhone on PDAs or smartphones (requires MS Pocket/Mobile PC and WLAN)

The DEX28 enables call center agents, operators, telecommuters and branch office employees to be seamlessly connected to the MD110 or Business Phone communication system over Internet.

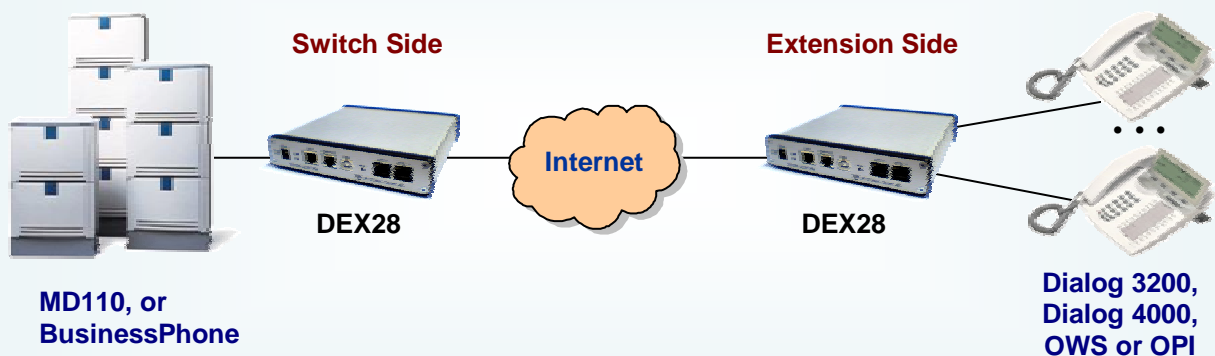
*Increase the productivity and performance of your remote workforce by providing them with seamless access of **all the features** on your central MD110 or Business Phone PBX through the DEX28.*

Product details

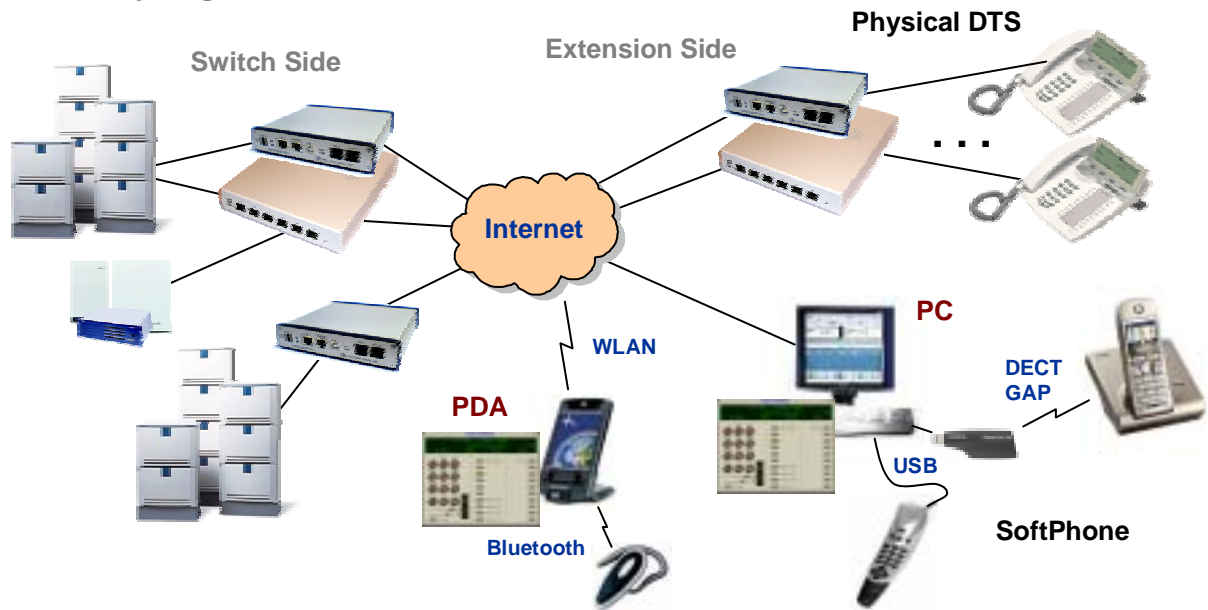
The DEX28 provides off-site employees with the full features of their MD110 or BusinessPhone PBX using any Digital Telephone Set (Dialog 3200, 4000, OWS) or OPI from any remote location.

Two units are required for as single-user scenario. Alternative to use physical DTS on remote site is DEX28 SoftPhone providing all DTS features on MD110 or BusinessPhone.

Simple Application Diagram



Connectivity Diagram



Technical Specification

Connectors

- Two universal telecomm for connecting to Ericsson MD110/BP, or Ericsson DTS
- One Ethernet 10/100 Base-T
- One RS-232 Console
- One USB 2.0 Full Speed
- Power Supply 48VDC Input

Voice Protocols

- G.711 A-Law, G.711 u-Law, G.726, G.729a and G.729ab CODEC
- G.168 Line Echo Canceller
- Adaptive Jitter Buffer

Network Protocols

- RTP for voice transmission
- D4oIP for Ericsson ELU 2B+D signaling
- QoS support TOS/Diffserv
- IEEE 802.1q VLAN
- Management: SSH, HTTP, SNMP, Telnet, FTP.

System Software

- Linux Kernel v2.6.x
- Full IPv4 protocol stack with QoS and VLAN
- Software upgradeable via LAN over HTTP

Hardware

- CPU ARM920T 180 MIPS, 64MB SDRAM, 16MB NOR Flash, 64MB NAND Flash
- DSP TI TMS320VC5410A 160 MIPS
- Typical system load with 2 channels active, 128ms LEC and G.729ab: 25 MB Host Memory, 20% CPU Host, and 35 MIPS DSP.

Power Supply

- Power consumption 3.5W max, 3W typical
- Power supply from PBX (MD110 or BP)
- Power over Ethernet (PoE) with optional break out module
- 48VDC power supply input, 32-59VDC range
- External desktop power supply with universal AC input (included)

Physical Specification

- Size: 165 x 160 x 31 mm
- Weight: 539 g

Operating Environment:

- Temperature: 0 – 55 °C (Storage: -10 – 75 °C)
- Relative Humidity: 20 – 80 % non-condensing (Storage: 5 – 95 %)

Regulatory Approvals

- FCC Part 15, Class B
- EN 55022 (1998), A1 (2000) and A2 (2003), class B Information technology equipment - Radio disturbance characteristics
- EN 55024 (1998), A1 (2002) and A2 (2003) Information technology equipment - Immunity characteristics

Warranty and Support

- 12-months limited warranty for parts and labor including advance replacement when unit is shipped back for repair.
- 18-months corrupted flash repair/replacement.
- Unlimited Software Upgrade over the HTTP during product life-time.



IPTC Tech. Comm. AB

Pyramidbacken 6
SE-141 75 Kungens Kurva
Sweden

Phone: +46 (8) 556 46 750

Fax: +46 (8) 556 46 759

<http://www.iptc.se>