

ENEAA[®] MGC-BRICKS MGCP

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MGCP Media Gateway Control Protocol for Residential Gateways and Cable Modems

Enea[®] MGC-Bricks MGCP is a portable software package written in ANSI C implementing the Media Gate Control Protocols (MGCP) in a Media Gateway Controller (MGC) and a Media Gateway (MG).

Enea[®] MGC-Bricks MGCP is compliant with the following standards:

- IETF RFC 3435 (MGCP 1.0 obsoletes RFC 2705)
- Packet Cable Call Signaling Protocol
- IETF RFC 2327 (Session Description Protocol)
- IETF RFC 3660 (Basic MGCP Packages)

Enea MGC-Bricks MGCP facilitates millions of transactions each day in our customers' applications.

It also supports the following features for both Media Gateway Controllers and Media Gateways:

- UDP convergence layer
- MGCP messages (including SDP session description) text encoder/decoder
- Support of all transactions
- Support of the following event/signal packages: GM, DTMF, MF, Line, Trunk, RTP, NAS, supplementary

services tones, digit map extension, signal list, media format parameter, resource reservation

- MGCP finite state machine with security procedures over UDP
- Dynamic provisioning and re-provisioning
- Support of multiple instances and both sides MGC and MG on a single system

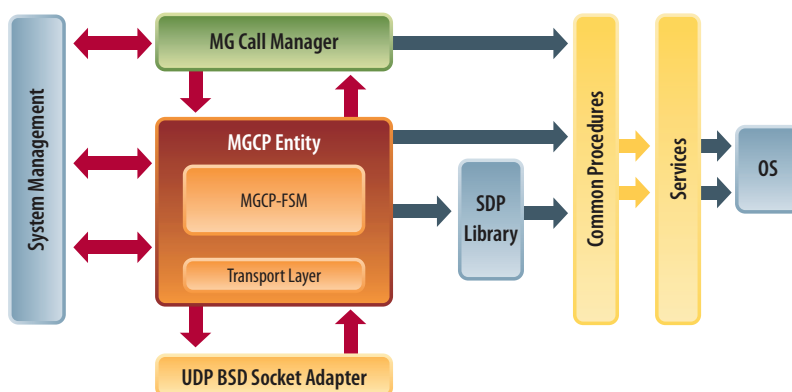
Enea MGC-Bricks MGCP is based on Enea's Netbricks architecture using object-oriented design and a message-passing mechanism for inter-entity communication. Enea MGC-Bricks MGCP interfaces to UDP through BSD-like Sockets. Interfaces to many commercial operating systems are available, including Microsoft Windows NT/2000/XP[®], RedHat Linux[®], MontaVista Embedded Linux[®], Solaris[®] (32/64 bit), VxWorks[®], AMX[®], Nucleus[®], PSOS+[®], Enea OSE[®], RTC[®], VRTX[®], and many others.

Enea MGC-Bricks MGCP is designed for the OEM market. Enea can develop custom products based on Enea MGC-Bricks MGCP technology according to customers' specifications.

Enea MGC-Bricks MGCP Software Architecture

Enea MGC-Bricks MGCP consists of the following components:

- System Management: SM
- UDP BSD Socket Adapter: BSD sockets convergence layer
- MGCP: MGCP entity (MGCP FSM, Transport Layer) useable in both MG and MGC
- SDP Library: SDP encoding/decoding routines common to Netbricks NGN software products: Enea[®] SIP-Bricks, Enea[®] Megaco-Bricks
- MG Call Manager: a Media Gateway Customizable Application that eases and simplifies Media Gateway development



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ENEAA MGC-BRICKS MGCP SOFTWARE ARCHITECTURE

