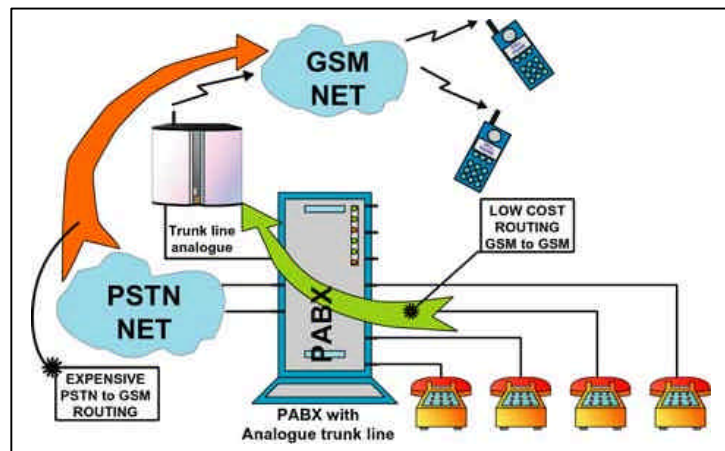
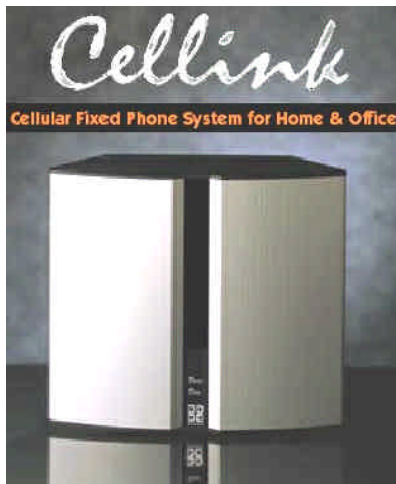


CELLINK®

Product description

For analogue Trunk line, analogue local extension line or ISDN local extension line



Cellink overview:

Cellink is a professional GSM Gateway or a so-called FCT (Fixed Cellular Terminal), which makes it possible to get a “mobile” PSTN line (Public phone line) directly from your GSM infrastructure. This simulated phone line is for normal telephone calls equal to the phone line, which you today know from your local public telephone provider.

Using GSM Gateways normally results in big savings, as Cellink enables for conversion of expensive PSTN to GSM phone calls, to direct GSM to GSM traffic, without first initiating the call through the PSTN net. Making calls from GSM to other GSM receivers, compared with calls from PSTN net to GSM, typically result in a price reduction on 30-60% - In some circumstances even more.

Such big savings, normally result in a return time of investment for the Cellink product in 2-8 months, depending on how much traffic you make to GSM mobiles in the field.

Typically Cellink is connected to a company PBX, so the PBX automatically chooses an outgoing line or lines to the Cellink, when a mobile number is dialled from the company. Such an automatic routing function is named LCR (Least Cost Routing), and is standard for almost all known PBX's in the market. Cellink is also often used as an alternative to the PSTN net or as backup lines.

As standard the Cellink is offered for analogue Trunk line. Optionally, Cellink can furthermore be offered with ISDN S0 interface or with LLI (Local Line Interface) for connection to PBX local extensions. Using the ISDN S0 optional interface, the Cellink is connectable to standard ISDN S0 buses (ISDN2), such as an ISDN local extension on a PBX or directly to an ISDN PSTN connection (NT) from your PSTN provider. In the same way the LLI module enables you to connect the Cellink to an analogue local extension port on you PBX, or directly to the analogue PSTN net.

Small companies often use Cellink with ISDN S0 or LLI option, for direct connection to a PSTN line, so incoming calls to the company automatically will be forwarded through the Cellink to the company mobile phone in the field. In this way traditional expensive forwarding from PSTN to GSM is converted to cheap forwarding as GSM to GSM calls.



Cellink is exclusively developed for the professional telephone market and in close cooperation with professional PBX manufactures. The professional market requires an extreme high quality, high degree of reliability and high degree of similarity to the local PSTN net. Normal users must not be able to notice any differences on the calls made through the Cellink, compared with the PSTN net.

BD Consult already started the development of NMT Gateways in 1988, and in 1992 we developed our first GSM Gateway. Many years of experience within this specialised area has paid back the demand for a professional GSM Gateway where the Cellink today especially is known for:



Extreme good speech quality • Extreme fast dialling • Optimised to Local PSTN net • Flexible • Reliable

CELLINK - Product overview

DK-Hobro, Friday, 31 May 2002

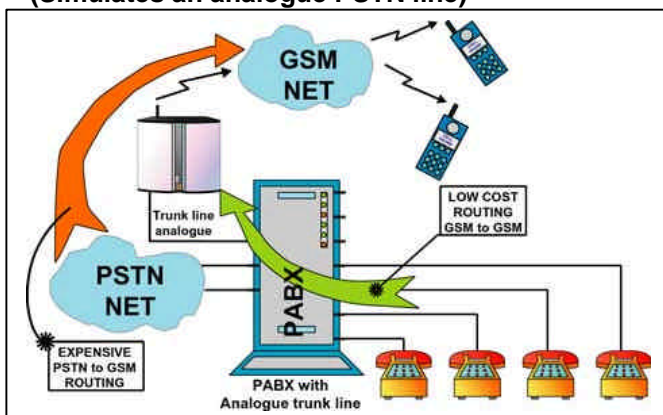
CELLINK – Main products			
Product	Order no.	Description	
Cellink std. f. Ericsson 6xx	9820.10932	Cellink Plug & Play product. Standard version as Analogue Trunk, for installation of standard Ericsson mobile handset. Delivered in a nice metal box for wall mount, including 220VAC / 12VDC power adaptor. Using optional modules enables the Cellink to be connectable to Analogue Local Extension via the LLI option, and to ISDN S0 local extension or NT ISDN lines via the ISDN option. More options available. **Excl. Ericsson mobile & Antenna **	
Cellink std. f. Ericsson 7xx	9820.10938		
Cellink std. f. Ericsson 8xx, A1018	9820.10940		
Cellink std. f. Ericsson A2618, A2628	9820.10948		
Cellink std. f. Ericsson T20, T28.	9820.10950		
Cellink standard with TC35 GSM module.	9820.10980	Cellink Plug & Play product. Standard version as Analogue Trunk, including build-in GSM 900/1800 Dual Band Module, for SIM Card insertion. Delivered in a nice metal box for wall mount, including 220VAC / 12VDC power adaptor. Option modules for Analogue Local Extension (LLI option), ISDN S0 local extension, NT ISDN line (ISDN option) and more available. **Excl. Antenna **	

CELLINK – Option (Refer to drawings next page)			
Option f.	Product	Order no.	Description
CELLINK	LLI, Local Line Interface	9810.22223	LLI (Local line interface), enables the Cellink to be connected to Analogue local extension on a PBX or to the PSTN line.
CELLINK	RS232 Option Module	9810.22300	RS232 serial port (sub-9) for SMS / Data and Fax. Standard GSM SMS, Data and Fax are available and special simulation for receiving / sending SMS's, using Hayes modem commands.
CELLINK	ISDN – S0 option	9810.22400	ISDN S0 local extension interface – one channel. Connectable to PBX local ISDN S0 extension (not PBX manufacture specific system bus), or to ISDN S0 connection (NT) from the PSTN.
CELLINK	Antenna – Dual Band	9930.18900	External GSM Dual Band Antenna with TNC connector. Recommended for Cellink
CELLINK	Battery Backup / Build-in, 8 hours	9810.22225	Build-in Battery backup for Cellink. The battery backup system, gives 8 hours backup time with normal operation for the Cellink standard version.
Cellink / AlarmLine	Programming Cable for Cellink & AlarmLine	9990.02010	Programming cable for set-up of Cellink or AlarmLine, using PC set-up software. Also used for installation of new SW / Firmware via PC.

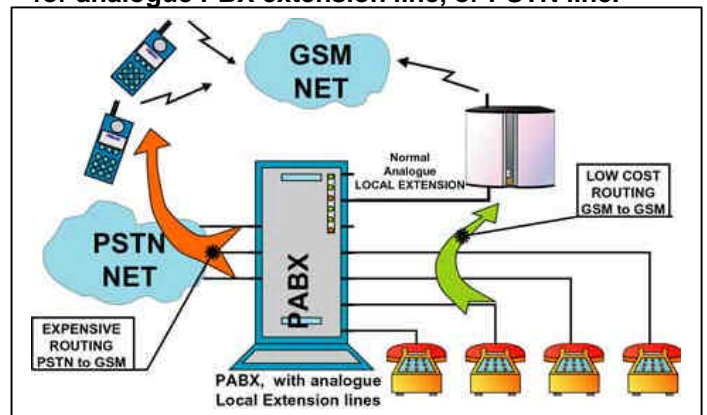
CELLINK (OEM PCB versions)			
Product	Order no.	Description	
Cellink PCB – Board Module 6xx - 48V. Printed Circuit board vers. for Ericsson 6xx - T1x	9810.10504	Cellink PCB (printed circuit board) std. for Analogue Trunk connection. Used together with Ericsson mobiles: 628,688,788,868,888,A1018,T10,T18. ** Exclusive Ericsson mobile telephone **	
Cellink PCB – Board Module A2618 - 48V. Printed Circuit board vers. for Ericsson A26xx – T2x	9810.10505	Cellink PCB (printed circuit board) std. for Analogue Trunk connection. Used together with Ericsson mobiles: A2618,A2628,T20,T28. ** Exclusive Ericsson mobile telephone **	
Cellink PCB – Board Module with TC35 GSM. Printed Circuit board vers. with build-in TC35 module	9810.10510	Cellink PCB with GSM 900/1800 DUAL Band module (TC35) as Printed Circuit board version. Std. for Analogue Trunk connection. Requires only power, SIM card and antenna.	

Application drawings:

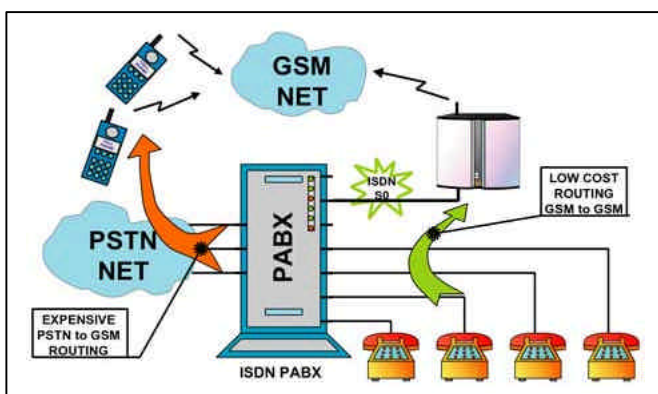
Standard Cellink for Analogue Trunk line (Simulates an analogue PSTN line)



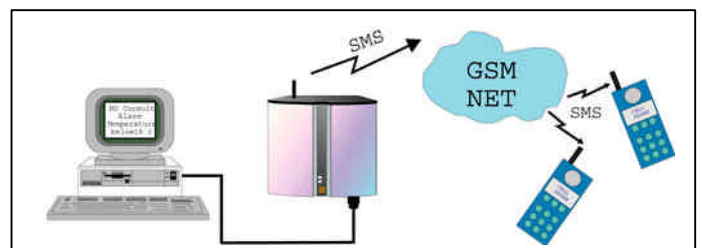
Cellink with LLI option (Local Line Interface) for analogue PBX extension line, or PSTN line.



Cellink with ISDN S0 option, for ISDN local extension line or ISDN PSTN (NT)



RS232 option, for Cellink as SMS Gateway, Data and/or Fax.



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