



Aplicom Voice Call Option

Aplicom Voice Call Option enables GSM voice calls with the Aplicom F-series and C-series vehicle computers. With this function users can use Aplicom vehicle computers as a GSM phone. This property increases the usability of the Aplicom's vehicle computers and brings cost savings to the users because a separate car phone is not necessary.

Aplicom Voice Call Option contains a GPRS modem module mounted on an option board that supports GSM phone functions and voice communication. The hands free set can be directly connected to the vehicle computer thus creating a GSM phone with hands free functionality. The hands free set is an option that contains a microphone and a loudspeaker.

The phone handling and user interface of the phone are implemented in the application software. This gives the full freedom for system designers to implement any specific ways to handle the phone. A good example of this is the simple way of use that is familiar to any PMR user. The needed phone control functions are included in the Aplicom AC Tool Kit. Also the Aplicom IP Server offers phone control functions according to its specifications.

The number selector and phone book can be presented for example on a touch screen of the Aplicom F-series. An external device such as a PDA can be also used as a user interface device.

Technical Data

GENERAL

- GPRS modem module with GSM phone functions
- Internal HF (Hands Free) electronics
- Interfaces for external microphone and speaker, no other electronics needed
- Hands Free voice handling with echo cancellation

MICROPHONE (option)

Type	Electret
Microphone sensitivity	-37 dB –3dB re IV/Pa 8typical)
MIC DC supply	3 V
Connector	3.5 mm jack

SPEAKER (option)

Output PWR	1 W / 4 Ohm
Impedance	>= 4 Ohm
Power level adj	5 levels
Earphone specification	600 Ohm
Connector	3.5 mm jack

SOFTWARE

- Phone handling functions are supported by Aplicom AC toolkit.
- The support includes following functions:
 - voice call settings
 - dial and answer of calls
 - call termination
 - speaker volume control
 - alert tone generation

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