

# **CELLINE® III**

## **GSM-GPRS**

GSM-GPRS GATEWAY  
VOICE CALL  
DATA/SMS/FAX TRANSMISSION  
INTERNET BROWSING  
REMOTELY PROGRAMMED  
AND CONTROLLED

**Cost reduction**  
**Rural telephony**  
**Mobile/temporary offices**  
**Back up telephones line**



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## COMMUNICATION WITHOUT LIMITS

**CELLINE® is the easiest way to get telecommunication services even to premises which cannot be reached by phone landlines, but where there is an adequate GSM coverage.**

## EASE TO USE

**Just connect a telephone to CELLINE® and lift the handset to send / receive voice communications, as with any other phone.**

## SAVE YOUR MONEY

**Connect CELLINE® to your PBX and make the call to cellular phone goes through CELLINE®. You will pay the fixed to mobile calls at the mobile to mobile price, usually very much lower.**

## VERSIONS

### CELLINE® AS GSM/GPRS

with Voice functions (AU), Data, SMS and Internet browsing

### CELLINE® RS GSM/GPRS

with Voice functions (AU and TU), Data, SMS and Internet browsing

### CELLINE® AX GSM/GPRS

with Voice functions (AU), Data, SMS, FAX and Internet browsing

### CELLINE® DX GSM/GPRS

with Voice functions (AU and TU), Data, SMS, FAX and Internet browsing

## COMMON FUNCTIONS

- Trunk line interface (AU): connection to analog phones or to PBXs as trunk line
- RS232 serial port: data, SMS and PC fax transmission
- Internet browsing via GPRS (GPRS class 10, MS class B)
- PIN code insertion: via DTMF tones from the connected telephone
- Local programming: via DTMF tones from the phone or via RS232 serial port by means of a dedicated SW
- Remote programming: via GSM data call with a dedicated SW
- Reverse polarity generation over the telephone line (AU)
- Teletax: 12/16KHz pulse generation
- Call hold, call wait, etc: GSM services managing via DTMF tones from the connected telephone
- Calling Line Identification Presentation (CLIP) over the trunk line interface (AU)

## CELLINE® RS SPECIFIC FUNCTIONS

- PSTN interface (TU): direct connection to PSTN network
- LCR: least cost routing with manual choice (by adding a prefix digit) between GSM and PSTN networks

## CELLINE® AX SPECIFIC FUNCTIONS

- Trunk line interface (AU) suitable also for connection to fax and modem as trunk line

## COMPATIBLE FAX

- Transmission/reception: group 3 (G3)
- Compliant with: ITU-T T.4 and T.30

## COMPATIBLE MODEM

- Connection speed: up to V.90 (56Kbps)

## CELLINE® DX SPECIFIC FUNCTIONS

- Trunk line interface (AU) suitable also for connection to fax as trunk line
- PSTN interface (TU): direct connection to PSTN network or to PBX as extension
- Call routing: call diversion from GSM to PSTN network and vice versa
- LCR: least cost routing with automatic choice between GSM and PSTN network and PSTN carrier preselection

## COMPATIBLE FAX

- Transmission/reception: group 3 (G3)
- Compliant with: ITU-T T.4 and T.30

## APPLICABLE STANDARD

- EN 60950 (Health and Safety)
- EN 301 489-1/-7 (EMC)
- EN 301 511, EN 300 607-1 (Radio)

## TECHNICAL FEATURES

### GSM/GPRS RADIO

- GSM Dual Band

### RF POWER:

- Class 4 (2W) for EGSM900
- Class 1 (1W) for GSM1800

### GPRS CONNECTIVITY

- GPRS class 10
- GPRS MOBILESTATION class B
- GPRS max. 85.6 kbps (downlink)
- GPRS max. 42.8 kbps (uplink)
- PBCC support
- Coding schemes CS 1, 2, 3, 4

### GSM PERFORMANCES

- Voice and emergency calls (TCH/FS)
- Half Rate (HR), Full Rate (FR), Enhanced Full Rate (EFR)

- Echo canceller
- SMS type MT/MO/CB/PDU
- Automatic fax group 3 (class 1,2)
- Non transparent data transmission mode
- CSD up to 14.4 kbps
- USSD
- V.110

## PRODUCT SPECIFICATION

- Dimensions: 183x125x42 mm
- Weight: 300 gr
- Operating temperature: -20°C to +55°C (0-95% humidity not cond.)
- Storage temperature: -40°C to +85°C (0-95% humidity not cond.)
- 9-30Vdc power supply with external 230V adapter
- Stilo antenna included with external antenna option (SMA F connector)

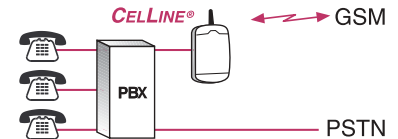
### 1. WLL terminal (AS-RS-AX-DX)



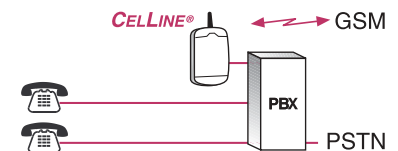
### 2. LCR over a single line (RS-DX)



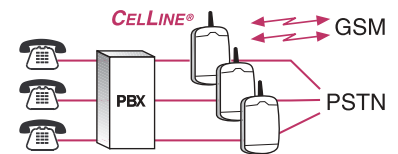
### 3. PBX connection as telephone line (AS-RS-AX-DX)



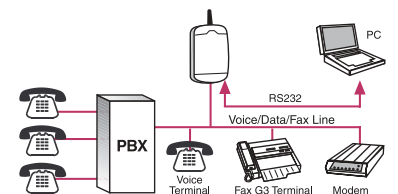
### 4. PBX connection as extension (RS-DX)



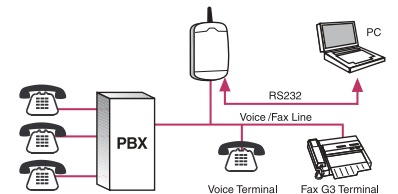
### 5. LCR with a PBX (RS-DX)



### 6. Data/Fax line (AX)



### 7. Fax line (DX)



**AUDIOTEL ENGINEERING S.p.A.**

Head Office: Via del Chioso, 6 - 24030 MOZZO (Bg) Italy  
Tel. +39 035 467011 - Fax +39 035 614000  
e-mail: info@audiotel.it Internet: http://www.audiotel.it