



UMTS Gateway ISDN BRI Interface 1-2 USIM

DIAL-112U

UMTS 3G *New*



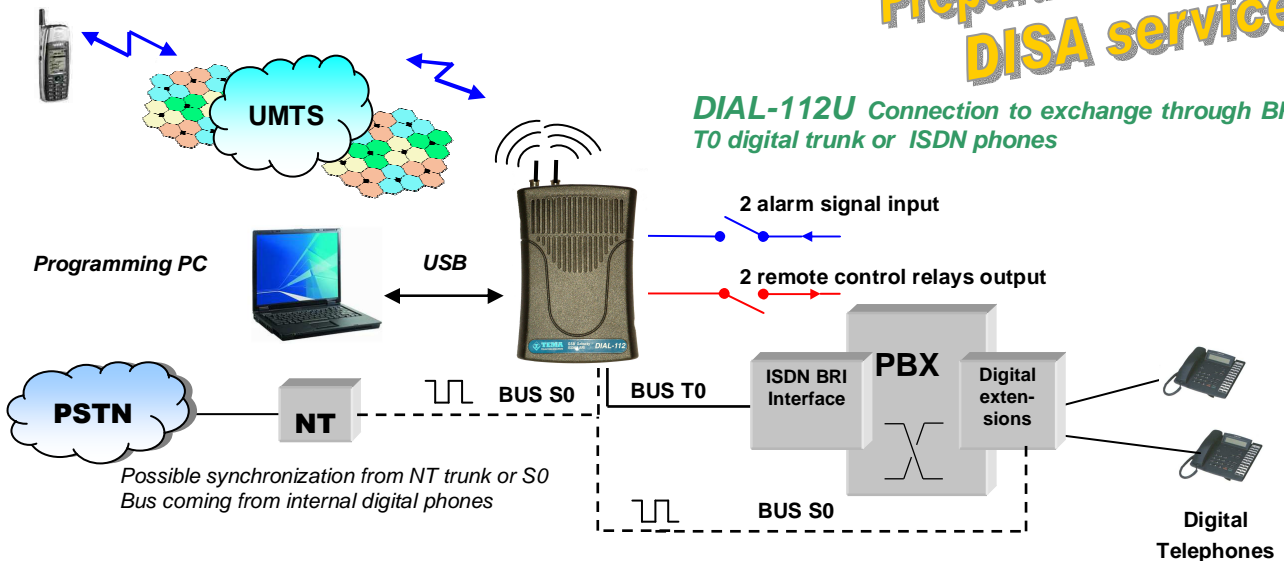
DIAL-112U is a new UMTS Gateway that can be connected to a PBX ISDN BRI trunk interface in order to eliminate mobile cross-network fees: now the users can call mobile phones at low cost as **DIAL-112U** securely transforms fixed-to-mobile in mobile-to-mobile calls. **DIAL-112U** gateway is available with 1 or 2 UMTS modules (1-2 USIM).

DIAL-112U has a NT port to connect TE port to the NT-BRI side ISDN of the PBX. If the PBX has the LCR (Least Cost Routing) function, it is possible to configure the route selection table (ARS-Automatic Route Selection Table) so **DIAL-112U** will be used as default output gateway for mobile calls. Alternatively the call must be pre-selected by a configurable code prior to the called number.

DIAL-112U has an internal LCR feature that allows module's selection to route the UMTS calls. It is also possible to choose the USIM card (operator) to use depending on the prefix of the called number. **DIAL-112U** must be connected to an ISDN BRI T0 interface and has 2 contacts of external input for alarm / remote notification service via SMS plus 2 output contacts for remote control of external devices and 2 output relays.

ISDN BRI 1-2 USIM USB programming Smart callback Prepaid management DISA service

DIAL-112U Connection to exchange through BRI T0 digital trunk or ISDN phones



Features

- 1-2 built-in UMTS (2100 MHz) engines
- Compatible with 1.8V to 3V USIM CARD
- DISA service for PBX's direct internal selection
- Possibility of counting minutes of traffic for outgoing calls, with the possible blocking of calls following to the end of the credit or sending SMS text alerts
- Smart callback for the automated diversion of the call back to the extension
- "SMS callback", for SMS sending with predefined text if the called number doesn't answer or is busy
- Service to automatically route the caller based on his CLI to an internal extension target
- T0 BRI Euro-ISDN Point-to-Point or Point-to-Multipoint connection
- USB connection for PC programming, without dedicated software
- Programmable via local phone or remotely, via DTMF tones
- Audio loudness setting in TX/RX independently on both UMTS channels
- Flexible and optimized management of the system's USIM cards
- LED indications of system status



Main features

- ◆ One or two built-in UMTS 2100MHz engines
- ◆ Time limitation of outgoing calls
- ◆ Incoming / outgoing call barring separately on each module
- ◆ Possibility of avoiding sending UMTS USIM identity (CLI)
- ◆ Programmable via local phone or remotely, via DTMF tones
- ◆ Possibility of rejecting all incoming calls or anonymous incoming calls
- ◆ Caller identity (CLI) sending to the ISDN equipment
- ◆ 2 contacts of external input for alarm / remote notification service via SMS
- ◆ 2 internal relays contact for remote control of low power devices, in impulse or stable mode
- ◆ **“Smart callback”** for outgoing calls: for the automated diversion of the call back to the extension
- ◆ **“SMS callback”**, for SMS sending with predefined text if the called number doesn't answer or is busy
- ◆ Possibility of USIM Card use based on **prepaid credit** minutes or free USIM traffic
- ◆ Internal LCR depending on the prefix or channel B chosen
- ◆ **DISA service**: direct selection of the extension via DTMF tones
- ◆ Possibility of activation of the DISA service based on CLI caller identity

Technical features

◆ Radiofrequency Section

Built-in UMTS modules : UMTS (2100 MHz)
GSM Quad-Band
(850/900/1800/1900MHz)

UMTS Network type : UMTS WCDMA/HSDPA
USIM Card : Plug-in, 1.8V small, 3V
Receiver sensitivity : - 110dBm
Antenna / frequency : 50 Ω, 900/1800MHz
Antenna cable length : 2.5 mt, with FME-F connectors

◆ ISDN Section

Sync-NT port : TE port to the NT-BRI side only for synchronism
TE-PBX port : NT port to the PBX side
ISDN protocols : Euro-ISDN
Connection : Point-to-point or point-to-multipoint
Available services : CLIP, CLIR
Dial tone : 425Hz, configurable cadency

◆ General Features

Provided power supply : Input 230V_{AC}, 50Hz, 12VA
Output 12V_{DC}, 1A
Max relays capacity : 30V_{DC}, 200 mA
Inputs capturing : for reading a clean contact

Operating temperature : 0°C - +45°C
Relative umidity : up to 95% non condensing
Weight : 1500 gr packaged
Dimensions (HxWxD) : 43 x 130 x 185 mm

Front view



Rear view



The manufacturer reserves the right to change product characteristic without notice



TEMA TELECOMUNICAZIONI S.r.l.

Web: www.tematlc.it e-mail: tematlc@tematlc.it

Telecommunications – Electronics

Headquarters : Via C.Girardengo, 1/4 20161 Milano MI (Italy) Tel. +39 02 61544.1 Fax +39 02 6152605
Branch Office: Via S.Boccapaduli, 31 00151 Roma RM (Italy) Tel. +39 06 58237920 Fax +39 06 58200328



UNI EN ISO 9001:2000