



# NGP 822

*FXS, FXO and GSM*



Front view

- 4 or 8 extensions
- 0. 1 or 2 cell phone interfaces
- 0. 1 or 2 interfaces of analogical lines
- Automation and security
- Interface Web
- LEDs of status of equipment and interfaces

The NGP 822 is a product which gathers together practicality and versatility, developed to handle small markets, as offices and small companies. This equipment provides a modular combination of one or two FXO channels (analogical lines), four or eight FXS ports (Extensions) and one or two GSM ports. Besides functioning as PABX and handling basic and advanced functions of PABX, the NGP 822 has the differential of having Wiegand connections and support (RFID proximity reader) and a relay, being able to be used for solutions of automation, security and control of access.





## Product Specifications

- **Telephony modular interfaces**
  - FXO: 0, 1 or 2
  - FXS: 4 or 8
  - GSM: 0, 1 or 2 Mini Sim Card
- **Other interfaces**
  - Power connector 12V
  - Button for restoring factory configurations
  - USB 2.0
  - Connector for proximity reader (Wiegand)
  - External performance relay
  - Ethernet port for programming, control and monitoring
- **System Capacity**
  - Maximum capacity of audio files: Limited to external device connected to USB port
  - Maximum access control users: 1000
- **Energy Source**
  - Input: 100-240 V1A 50/60 Hz
  - Output 12V/2.5A
  - Energy consumption in maximum load: 20W
- **Network Specifications**
  - LAN: 10Base-T, 100Base-TX, compatible IEEE 802.3 Standard, Automatic Negotiation Support, Connector RJ-45: cable CAT5-UTP with support to DHCP
  - Support to IPv4
  - Support to HTTP
- **Telephony Interfaces**
  - FXO/FXS with 2 Pins (Tip-Ring) connector RJ-11 for each port
  - Protection against surges up to 200V
  - Impedance of 600Ohm to 900Ohm
  - Detection of Ring
  - BINA DTMF and FSK
  - Installation of SIM Cards directly in the equipment
  - Up to 2 cell phone interfaces for installation of SIM cards
  - Interfaces GSM Quad Band: 850/900/1800/1900 MHz
- **Environment**
  - Operating temperature: 0°C ~ 50°C
  - Operating humidity: 20% ~ 80% RH
  - Storage temperature: -20°C ~ 60°C
  - Storage humidity: 20% ~ 95% RH
- **Grounding**
  - Screw for fastening ground wire
- **Structure**
  - Dimensions: 5cm Height x 28cm Width x 13 cm Depth

## Resources

- **Basic functions**
  - Connections for fixed telephony
  - Connections for mobile telephony
  - Input of calls for an extension or group





- Call on hold
- Inquiry
- Blind/assisted transfer
- Transfer without return
- General capture, in group and individual
- Call parking
- Pendulum
- Hold music
- Padlocked
- Hotline
- Warmline
- Call to group
- Caller ID DTMF/FSK
- Dialing rule flexibility (Routing)
- DID (Direct Dialing to Extension)
- Reading, dispatch and receipt of SMS by Web interface
- Dispatch of SMS groups
- Dispatch of pre-recorded SMS
- Recall,
- Call ID
- Analogical doorman
- **Advanced Functions**
  - Automatic answering
  - Extension profiles
  - Shifts - Adjustment of configuration for shifts
  - URA
  - Transmission and reception of FAX
  - Conference
  - Blocking collect call
  - Blocking of DDD and DDI
  - Blocking of call to cell phone
  - Operator loyalty
  - Flash in line
  - Analysis of call in progress
  - Billing
- **Security and Automation**
  - Access control
    - Opening code
    - Management of keytags
    - Access code
    - Validity period
    - Shifts
  - Integration with presence and door sensors
  - External performance by means of relay
  - Possibility of connecting alarm station
  - Panic button
    - Connected to FXS port (input)
    - Configurable actions (output)
  - Panic dialing
    - Code dialed in an extension (input)





- Configurable actions (output)
  - Dispatch of emergency SMS
  - Execution of emergency call
- **Management**
  - Update in field, by Internet and USB
  - Monitoring in real time of trunk and extension activities
  - Configuration of System by Web interface
  - User management.
  - Protection by password
  - Configuration of Backup/ Restore through Web
  - Logs of system, calls and events (reading and download)

## LEDs

- **Upper LED (Status)** - Indicates System status
  - Normal flashing - System functioning and ready for use
  - Quick flashing - System in process of updating or restoring factory configurations
  - Static On - Indicates initialization of system
- **GSM LEDs**
  - On (green)
    - Quick flashing - without SIM Card inserted
    - Static on - with SIM Card inserted
    - Disconnected - GSM interface disconnected
  - Busy (red)
    - Slow flashing - initializing the GSM device
    - Normal flashing - recording in network
    - Quick flashing - error in initialization or network
    - Static on - channel busy
    - Disconnected - channel free
- **FXO LEDs**
  - On (green)
    - Slow flashing - without line connected
    - Static on - with line connected
    - Disconnected - initializing the interface
  - Busy (red)
    - Static on - line busy
    - Disconnected - line free

## Guarantees and Certifications

- Company certified with ISO 9001:2008
- Factory warranty: 1 year





**Connections:**

