



**NOKIA
22**

PBX Connectivity Terminal

Nokia 22 is a PBX connectivity terminal which serves as a gateway between a GSM network and a company's private branch exchange. When connected to a PBX, it can route incoming and outgoing calls via the mobile telephone network, providing a cost-effective alternative to fixed-to-mobile or mobile-to-fixed telephone calls.

As its name suggests, the Nokia 22 has been purpose-built for PBX connection. This means that the Nokia 22 can be connected to either the trunk or extension connector of a PBX. As a result, the Nokia 22 can be used on the analog extension of an ISDN PBX as well as with analog PBXs.



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The PBX can be configured to automatically use a trunk-connected Nokia 22 with mobile network targeted calls. With the Nokia 22 on an extension connection, the end-user first enters the extension number of the Nokia 22 and then the mobile number he is trying to reach.

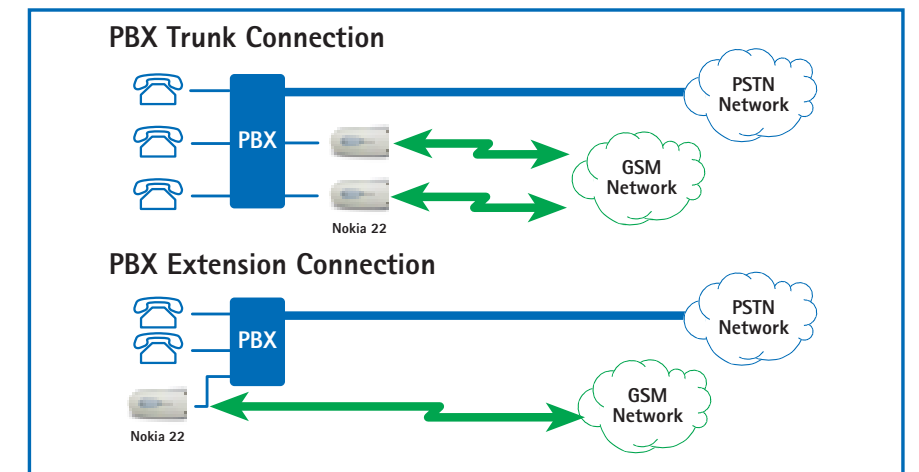
The Nokia 22 can provide GSM supplementary services and practically the same signaling and services as the landline network. The Nokia 22 supports Calling Line Identification and Advice of Charge signaling with an external device. The Nokia 22 can be programmed to change the prefix (e.g. area code) of the phone number the user has keyed in and the insertion of an additional prefix is also possible.

Should you experience occasional power losses there is an optional back-up battery available. In any event, the AutoPIN-feature enables device recovery after occasional power cuts without on-site intervention.

Installing the Nokia 22 is fast and simple. Most of the settings can be made using a normal land line telephone connected to the trunk connector. However, more advanced settings are possible with the optional Nokia 22 Configurator software.

The Nokia 22 has a 9-pin RS232 connector and it supports High Speed Circuit Switched Data (HSCSD). Therefore it can be used as a fast wireless external modem.

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Nokia 22 PBX terminal technical data

Size	100 x 180 x 45mm
Weight	420g w/o power supply
Environmental temperature	-10°C to +55°C
Storage temperature	-40°C to +85°C
Humidity range, operation	20 - 75 %
Humidity range, storage	5 - 95 %
SIM Card	Small
Band	Dual band GSM 900 and 1800
RF Power	2W /1W (1800Mhz)
Input Vdc	6.5 V - 15.6 V

Telephone interface / PBX Trunk interface:

Line voltage high impedance mode	50 V
Ringing voltage	48 Vrms
Line impedance	600 Ω

Extension interface:

Off hook AC impedance	600 Ω
On hook AC impedance	150 kΩ
On hook DC resistance	10 MΩ
Loop DC current	min 15 mA - max 120 mA

Power supply ACW-3:

Voltage	6.8 V
DC	1.4 A
Operating range between	90 - 264 Vac
Frequency range	47 - 63Hz
Output voltage	6.75 V +/- 0.15 V
Weight	75g + cables
Volume	< 115 cm ³

Data Standard

RS232	All applicable ITU-T V.25ter, ETSI GSM 07.07 and ETSI GSM 07.05 commands are supported.
HSCSD	max 43.2 kbits/s (Depending on operator services)

Backup battery Antenna

Optional
Integrated
Nokia adapter cable for external antenna is available.

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