



2N® Omega Series UMTS

Comprehensive fixed-line replacement



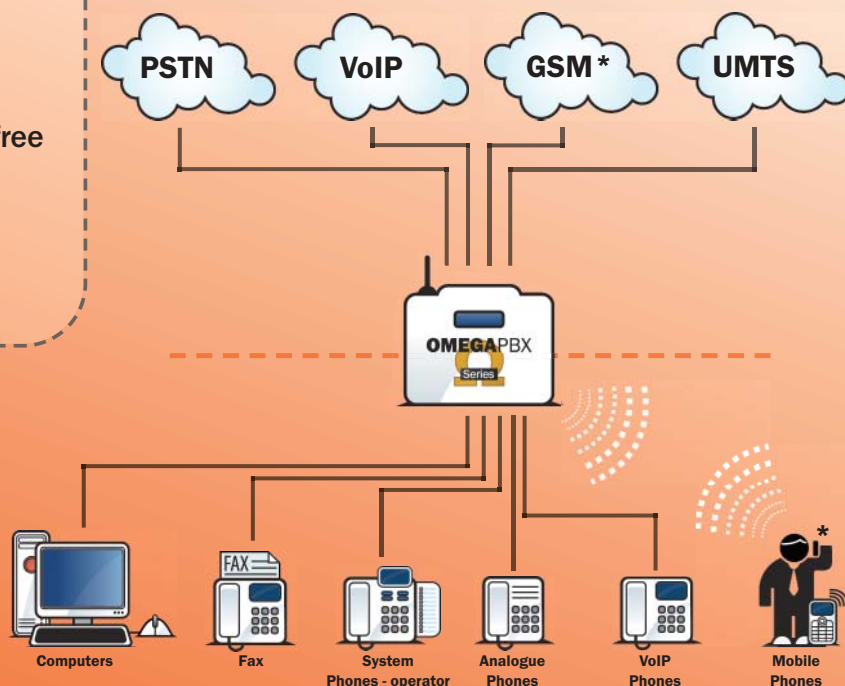
- Real modularity
- Connection to all common networks (analogue, ISDN, GSM, VoIP, 3G / UMTS)
- Internal GSM, UMTS & VoIP gateways
- Easy configuration & fault free usage
- 2N® Mobility Extension turns your mobile into a standard PBX extension



The 2N® Omega Series PBXs make your communication easier and save your money. They allow connection to all networks and, thanks to their ultimate modularity, they can be set up exactly according to your needs.

2N® Omega Series UMTS PBXs:

- Connection to all networks
- Connect your office over GSM or IP and call within this office network for free
- No need for any fixed-lines - it can be absolutely mobile with all functions available!



* Free calls PBX – mobile extension! (with VPN SIM cards)

Power supply:

Nominal mains voltage 230 V/120 V AC
Tolerance of mainsvolt. +/- 10%
Nominal frequency 50 Hz/60 Hz
Input max. 90 VA

Internal line parameters:

Analogue input impedance 600 W +/- 20%
Ringing voltage 45 V ~/50 Hz
Line supply voltage 24 V; line current approx. 25 mA
Type of connector RJ-45 (PIN 4,5)

Internal system line parameters:

Type of phones 2N® StarPoint
System protocol Cornet
Connection 2-wire

External line parameters:

Analogue input impedance 600 W +/- 20%/ETSI
Type of connector RJ-45 (PIN 4,5)

GSM parameters:

GSM band GSM 900/1800, GSM 850/1900
Voice transmission EFR, FR (enhanced full rate, full rate)
Receiver sensitivity -104 dBm
Transmitter power 2 W during pulse
SMS support receive & send
Antenna connector SMA

UMTS parameters:

UMTS engine Sierra Wireless 8775 V/8790 V (850/1900/2100 MHz)
Transfer rates HSDPA - peak downstream up to 7.2 Mbps, HSUPA - peak upstream up to 2.0 Mbps
Supported protocols (with VoIP card) DHCP; DNS; VRRP; NAT; NATp; DynDNS; packet filtering

ISDN S0 parameters:

Interface type S0 - TE – for connection to public network
Protocol DSS1 – EURO ISDN (w/o power supply)
Connector for public network P-MP (point – multipoint) – MSN, configurable for connecting P-P (point – point) – DDI
Connection 4-wire (optional, terminated 2x 100Ω)
Type of connector RJ-45 (PIN 4,5 – 3,6)

VoIP:

Voice Channels VoIP -> PBX 8
FAX T.38
Codecs G.711; G.723; G.729 (Annex A, B)
Echo Canceled G.168-2002
administration web interface, terminal window



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