INFINITY•MAX

Futuristic Server Based IP Communication System

TEC Certified

EMI-EMC Certified

Safety Certified

ISO 9001-2015 CERTIFIED COMPANY

Available in GEM

NEOS Max & Infinity is a modular and server based IP communication platform designed to meet the needs of medium and large organizations. The State-of-the-art communication platform which supports expansion from 16 ports to 64000 ports using all the existing hardware of the customer, thereby protecting your investment. NEOS Max & Infinity provides unified communication and collaboration to all users through compatible IP phones and mobile devices. Users of NEOS Max & Infinity communication platform can easily take advantage of it's mobility features. The solution is power packed with many features.

Key Features

- 16 Ports Expandable up to 64000 Ports with Server Gateway Architecture
- Hot Redundancy/Geographical Redundancy
- In-built Microsoft Outlook Integration and Voice Mail
- In-built Hospitality Features and PMS Interface
- In-skin Voice Logger Capability for all Ports
- In-skin GSM
- In-built Firewall
- Analog Extension Support up to 10 Kms
- Direct Fibre Connectivity Support
- Web-based User Interfaces for all users including SLT users
- TLS/SRTP & AES 256 Bit Encryption for IP Communication
- Web-based Conference Room Management
- Life Time Licenses
- Web-based CRL interface
- Presence and IM

Network Architecture

Ideal solution for Multi Location Networking with Single Point of Management

IP Telephones

 FKT 01 B

 FKT 03 C

 FKT 08 C

 FKT 10 C

 DSS FEM 20 C
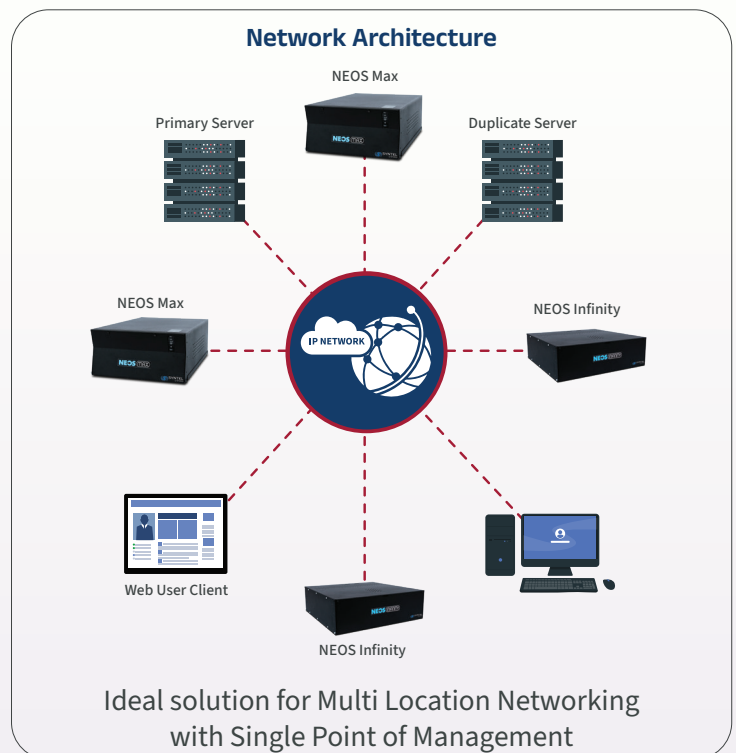
SYSTEM CAPACITY

- Independent Switching Units:
  - NEOS Max 120 TDM & 500 IP Ports
  - NEOS Infinity: 2000 TDM & 1000 IP Ports
- Total Platform: 64000 Ports in Server Gateway Architecture:
  - 32000 IP Ports (Soft Switch)
  - 32000 TDM Ports (Combination of NEOS Max & NEOS Infinity racks)

INTERFACE CARDS

- Analog Extension Card (FSK Caller ID), Analog Line Card (FSK or DTMF Caller ID), Proprietary Digital Extension Card
- Hybrid Card
- E1 Line Card (PRI, R2 or QSIG), E&M Line Card
- MGW Card (for the interconnection of IP and TDM ports)
- VRC Card (for auto attendant, voice mail and voice logger (call recording))
- FOC Card (Fiber Optic Converter with 4 RJ-45 and 1 SC connectors) FCT Card, I/O Card (with 2 analog extension ports, alarm inputs, door opener, music source connector, paging port, RS232 port)

AMBIENT CONDITIONS

- Temperature: -5°C to +40°C
- Humidity: 20% to 80%

PROCESSOR

- Stored program control (SPC) Distributed processor architecture, High system reliability
- Optional CPU redundancy (for NEOS Infinity)

HARDWARE SPECIFICATIONS

- Ethernet Interface
- IP Protocols: H.323 (for lines), SIP (for lines/extensions)
- Analog Extension Interface: Caller ID, DP/DTMF signaling, 12KHz metering pulse generation, polarity reversal, automatic gain adjustment, automatic line control
- Analog Line Interface: Caller ID, DP/DTMF signaling, 12/16 KHz metering pulse & polarity reversal detection
- E1Interface: ETSIEN300402
- PRI ISDN Interface:DSS1 (Q921&Q931) ETSIEN300403
- R2 Digital Interface: DC Loop or Pulse signaling
- E&M Interface: Types 1/2/3/4/5, 2-wire /4-wire audio connections, wink/ immediate/delay start signaling, DP/DTMF number dialing.

- USB: 2XUSB2.0
- Power: 48VDC, max 350 Watt /rack
- Connectors: Rj45 (Ethernet, Lines / Extensions), 623K4 (Relay /Music Source), RJ11(RS232), Pin type-2 pin (External Devices)
- Peripherals: Standard, Digital, IP, Soft and PC based Phones
- PC/Serial Printer, Alarm, Paging
- CRL (Call Record Listing): PC Interface (LAN or PC), Serial Printer Interface
- Long line extension supports upto 10 kms
- Hot redundancy supports (Infinity)

SOFTWARE SPECIFICATIONS

- Servers: Embedded Proxy, Registrar, Presence & IM
- Operating System: Linux CENTOS
- CRL Capacity: 7.250.000 (for NEOS Infinity) -1.000.000 (for NEOS Max)

PHYSICAL SPECIFICATIONS

NEOS Max
- 30 chassis, 19" compatible or wall-mountable
- 268 (w) x 131 (h) x 387 (d) (mm)
- 483 (w) x 131 (h) x 387 (d) (mm) (including support brackets)
- Weight: 7 kg
  NEOS Infinity (per rack)
- 3U chassis, 19"
- 440 (w) x 132.5 (h) x 440 (d) (mm)
- 480 (w) x 132.5 (h) x 462 (d) (mm) (including power supply)
- Weight: 10 kg

Enterprise Communication

Security & Surveillance

AV Integration & Automation

Network infrastructure