

NEOS MAX • INFINITY

Futuristic Server Based IP Communication System



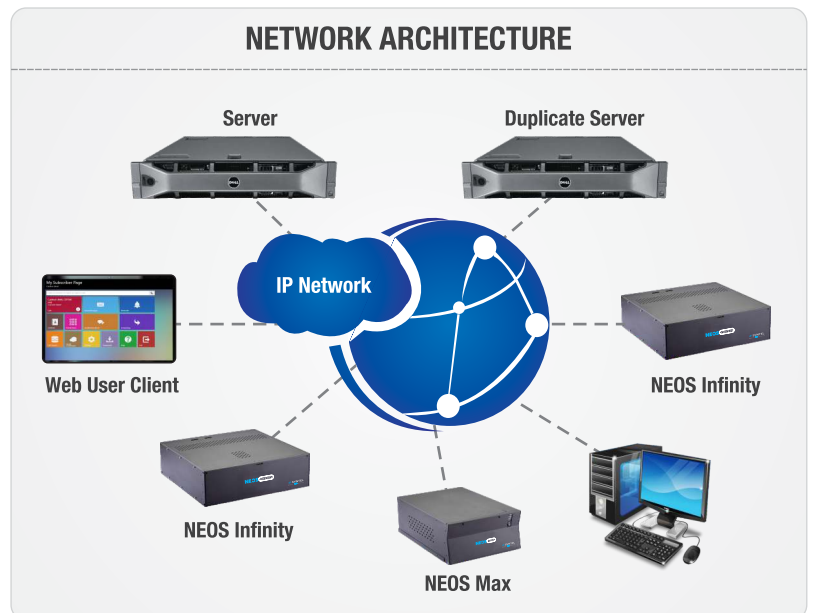
NEOS Max & Infinity is a modular and server based IP communication platform designed to meet the needs of medium and large organizations.

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



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)

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

IP and Digital Terminals



IP202



IP204



IP1141



IP136



MI26

- 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

- 3U 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

AMBIENT CONDITIONS

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

Syntel is a Telecom Division of Arvind Limited; a flagship Company of the Ahmedabad based Lalbhai Group; one of India's most respected industrial houses. Today, Syntel is a leader in technology solutions offering Enterprise Communications, IT Infra & Automation, AV Integration & Automation and Security & Surveillance services under one roof. Backed by the support of leading global technology partners and its in-house brands - NEOS, Max, Infinity and SNEOS, Syntel has established itself as a one-stop technology solutions company.

In order to add value to the exceptional products, Syntel also owns an in-house software application development team that constantly works towards delivering customized and integrated solutions for various verticals under communication, security surveillance and IT domains. All the industry solutions are offered through a SINGLE WINDOW, ensuring efficient and secured business processes and delivering smart returns on investments.

Manufactured by:

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