

# NEOS TeleStar

## INTELLIGENT IP PBX



NEOS TeleStar is a Next-Generation IP PBX system that sets a new standard in Unified Communications solution with a robust, scalable and feature rich design. NEOS TeleStar is designed to meet the needs of modern businesses that integrates seamlessly both traditional and VoIP telephony. NEOS TeleStar supports flexible deployment options with centralized management in multi-location scenario and supports wide range of devices and advanced features like voicemail-to-email, auto-attendants and call routing. NEOS TeleStar empowers your organization to enhance productivity, reduce costs, streamline communication and have Scalability from 16 ports up to 670 ports (IP + TDM) as your business grows.

What truly makes NEOS TeleStar a standout is its unique web-based programming interface, allowing administrators to configure, monitor, and manage the entire system remotely with ease. This user-friendly interface eliminates the complexity of traditional setups, reducing downtime and enhancing operational efficiency. Experience the power of seamless connectivity with NEOS TeleStar – where innovation meets simplicity.

### Unique Features

- ✓ Expanding capacity from 16 ports to 670 ports(IP +TDM)
- ✓ 112 hybrid SIP port expandable upto 528 ports
- ✓ Upto 127 systems can be networked over IP
- ✓ IN-SKIN 64 channel DSP Resources
- ✓ IN-SKIN, IVR (Auto Attendant), Voice Mail, Conferencing (max. 32 party) & Voice Logger
- ✓ TLS/sRTP, AES-256 bit encryption
- ✓ IP V6 Ready
- ✓ Storage Capacity: 12000 minutes

# TECHNICAL SPECIFICATIONS

## System Capacity

- Each cabinet has 4 slots (64 ports) for TDM expansion cards.
- 2-cabinet stacking with Flat Cable provides maximum 128 TDM Extension Ports.
- Ultimate expansion capacity up to 670 ports (IP + TDM)

## Processor

- Stored Program Control (SPC) Distributed processor architecture, High system reliability

## Physical Specifications

NEOS TeleStar (per rack)

- Dimensions: 148mm(w) [192mm including support brackets] x 241mm (h) x 201mm (d) [It is same for both the cabinet.]
- Humidity range: %0-85 (non-condensing)

## Interface Cards

- Analog Extension Cards (with Caller ID): 0/8AE or 0/16AE
- Digital Extension Cards: 0/8DE or 0/15DE
- Analog Trunk Cards (with Caller ID): 4CO/0 or 8CO/0
- Hybrid Cards: 4CO/8AE or 4CO/6AE+2DE
- PrX Card: Adds 208 SIP ports (max. 2 cards)
- E1 module: 1E1/0 (module on CPU card, does not occupy slot) Max. capacity example: 1PRI, 4CO / 118AE, 2DE, 16 xSIP and 112 SIP (trunk or ext.)

## Hardware Specifications

- Ethernet Interface
- IP Protocols: H.323 (for lines), SIP (for lines/extensions)
- Analog Extension Interface: Caller ID, DP/DTMF signaling
- Analog Line Interface: Caller ID, DP/DTMF signaling
- PRI ISDN Interface: DSS1(0921 & 0931)-ETS1EN300403
- CRL (Call Record Listing): PC Interface (LAN or PC)

## Cluster of NEOS TeleStar Units

As many as 127 systems of NEOS TeleStar can work as a cluster at different locations over an IP network.

- Systems in cluster can be centrally programmed, managed and monitored. Call records gets collated by single CRL interface.
- Systems continuously update each other with all programming, configuration and call details. This way, each system keeps up-to-date information of the complete cluster.
- In case of a failure of a system or connectivity at a location, remaining systems continue operation.
- When a system gets replaced at a location, other systems in the cluster automatically update the new system with all recent programming, configuration and call details.
- Systems share the load of complete cluster. Example: Each System has 64 ch. DSP, 112 port SIP, 32 party conference capacity. Total capacity in cluster gets multiplied with the number of systems in the cluster.
- Communication between systems is secure with AES-256 bit encryption



## IP Key Telephones



## Expansion Module



## About Syntel by Arvind

Syntel by Arvind, the flagship company of Arvind Limited—one of India's most respected industrial conglomerates with revenues exceeding USD 2 billion—stands at the forefront of next-generation technology solutions. Originally rooted in Enterprise Telephony, Syntel by Arvind has continuously evolved over the past 30+ years, expanding its offerings to encompass a wide range of Converged Technology Solutions, including Enterprise Communication, Network Infrastructure, Audio-Visual System Integration, and Security & Surveillance solutions.

## Manufactured by:

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