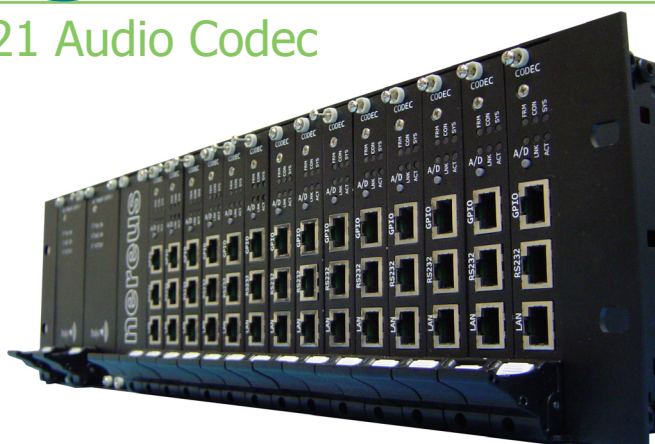


Nereus

Multiple IP, ISDN and X21 Audio Codec

Nereus is a Multiple IP/ISDN/X21 Codec in a 3U rack providing high quality audio streaming over TCP/IP, ISDN and leased lines.

Nereus supports individual remote control of each audio module via embedded web server or centralized management via ProdyControl application.



Key Features:

- Modular system: Up to 14 audio IP modules. Up to 7 couples of IP and ISDN/X21 modules. Hot-swappable.
- Widest range of industry-standard coding algorithms as standard; from apt-X to Mpeg4 AAC LC, LD & HE.
- AC or DC Redundant Power Supply.
- BackUp System: ISDN as a secondary link for IP/X21.
- Powerful Alarm System: Management via SNMP/GPO/email.
- Multicast, Unicast and Multi-Unicast with up to 10 connections per module.
- Prody Real time Network Analyzer to monitor critical network parameters in real time during the connection.
- Meets the initial standard for IP compatibility of the EBU N/ACIP group: SIP/SAP/SDP/RTP.
- Easy configuration to optimize link for low delay, jitter and utilization.
- Call facilities: Auto-redial, call scheduler and log systems.
- Independent encoder/decoder operation and automatic detection of the encoding mode.
- FEC (Forward Error Correction) and 'Error Concealment' to eliminate the impact of packet losses.
- Prody NAT Traversal Streaming Protocol permits router firewall pass-through with zero configuration.
- N+1 Prody Redundancy Protocol allows one backup IP codec to provide resiliency for up to N active IP codecs.
- Prody PLL algorithm compensates for sampling clock jitter and assures consistent audio integrity and delay over IP.
- User Access Control to define different access restrictions in a per user basis.
- Configuration presets to define different configurations for all or some specific parameters.
- Additional Management LAN port to split audio and control data flows (optional).

Specifications:

Analog audio

- Stereo I/O.
- 24 bits A/D and D/A converters.
- Electronically balanced.

Digital Audio

- Stereo Audio I/O.
- AES/EBU. Up to 24 bits. Automatic rate adaptation.
- Transparent mode over IP to send data instead of audio, such as Dolby E.
- External clock input.
- AES/EBU U-Bit channel transportation over IP.

GPIO & Ancillary Data

- 4 contact closure inputs.
- 4 open collector outputs.
- User configurable. Remote contact closures.
- 1 RS232 ports for aux. data.
- RJ45 connectors on front panel.

Audio Compression

- G722
- G711 A/μ Law
- MPEG 1,2 Layer II
- MPEG 1,2 Layer III
- MPEG AAC LC, LD & HE
- Enhanced and Standard apt-X™
- PCM (16,20 & 24 bits)

LAN

- 10/100BaseTx Ethernet, connector RJ45.
- TCP/UDP/IP, Multicast, Unicast & Multi-Unicast.
- SNMP, DNS, RIP, SNTIP, HTTP, IGMP, ICMP, STUN, VLAN.
- SIP/SAP/SDP/RTP comprising EBU N/ACIP standard.
- Prody Real Time Network Analyzer.
- FEC as per RFC 2731.
- Prody NAT Traversal Streaming Protocol.

X21

- Synchronous digital dedicated lines up to 384kbps.
- Connector Sub-D 9 ways.

ISDN

- 1 BRI connection. S/T and U interfaces.
- BackUp system: ISDN as a BackUp for IP or X21 links.
- RJ45 connector.
- Protocols: EISDN, AT5ESS, DMS100 and NAT1.

Alarms and Redundancy

- Monitoring of system parameters, links and decoder.
- Notification via e-mail, SNMP traps and GPO.
- NVRAM memory to store alarm information.
- N+1 Redundancy Protocol.
- AC or DC redundant power supply.

Dimensions

- W: 483mm; H: 133,4mm.(3U); D: 363mm.