

# Suprima



Audio Codec for IP, ISDN and X21



- Multi-network audio codec, with the widest range of compression algorithms as standard, from apt-X to MPEG4 AAC.
- Can be controlled locally from its front panel, or remotely from its Web Page or from CCS Management Software.
- Meets all mandatory RFC's comprising the initial standard for IP compatibility of the EBU group: SIP/SAP/SDP/RTP.
- Easy configuration to optimize link for low delay, jitter and utilization.
- Automatic detection of the encoding mode.
- Independent enc/dec operation.
- Backup System: ISDN as a secondary link for IP/X21.
- Alarm management via SNMP/GPO/email.
- AES/EBU transparent for Dolby E over IP.
- Call facilities: Auto-redial, call scheduler and log systems.
- Universal 110-220 VAC power supply with option for a 24 VDC secondary power supply.

## SPECIFICATIONS

### Analog audio

- Stereo I/O.
- 24 bits A/D and D/A converters.
- XLR connectors: 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.

### GPIO & Ancillary Data

- 7 contact closure inputs
- 7 open collector outputs.
- User configurable. Remote contact closures.
- GPIO connector: DBF25.
- 2 RS232 ports for aux. data.

### Audio Compression

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

### LAN

- 10/100BaseTx Ethernet, connector RJ45.
- Supports TCP/UDP/IP.
- SNMP, DNS, RIP, SNTp, HTTP, IGMP, ICMP.
- SIP/SAP/SDP/RTP comprising EBU standard draft.
- Multicast & Unicast.

### 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.

### Alarm System

- Monitoring of system parameters, links and decoder.
- Notification via e-mail, SNMP traps and GPO.
- NVRAM memory to store alarm information.

### Dimensions & Weight

- Width: 19"; Height: 1.7" (1U); Depth: 7.96".
- Weight: 6.6 lbs, approx.

## Suprima IP Decoder

Audio Decoder for IP



communications are required. It offers the same functionalities as Suprima over IP, except that it can only decode, not encode.

Suprima IP Decoder enhances the MUSICAM USA IP audio codecs family. It is based on Suprima technology and it is meant to be used along with Suprima/SupriMAX in audio distribution applications where unidirectional