iG330 – Digital Gateway

Channel Capacity
- Single E1/T1 Channel Associated Signalling (CAS)
- Fractional E1/T1 Channel Associated Signalling (CAS)

Call Types
- Hoot 'n' Holler
- Private Wires (PLARD and MRD)

Protocol Conversion of SbRTP LAN to:
- Unicast WAN (UDP)
- E1/T1 Channel Associated Signalling (CAS)

Signalling Types
- Call Types
  - Hoot 'n' Holler
  - Private Wires (PLARD/PLMRD)
- Signalling Types
  - Private Wire (ARD/MRD) E&M Immediate, Wink or Delay Start
  - Private Wire (ARD/MRD) FXO and FXS Loop or Ground Start
  - Hoot 'n' Holler No signalling
- Customisable CAS Settings
  - D4 PLAR Custom 1 to 3
  - Ring Down Custom 1 to 3

Mixing Capability
- 30 unique groups that are able to interconnect with the following audio sources, IP WAN links, E1/T1 Channels and SbRTP Channels[1]

Network Requirements
- Network 100 Base-Tx (full duplex)
- IP addressing: Dynamic or Static
- Voice LAN: Multicast network utilisation IGMP and supporting SbRTP
- Other supported network protocols: Ethernet, IPv4, DHCP, TCP/IP, DNS & HTTPS

VoIP Media
- Supported Codec types on the WAN: G.711 PCM 3.4KHZ A-law/U-law; G.722 (48K); G.729 Annex A – CS-ACELP
- Speakerbus Trader Voice on LAN: Speakerbus Real Time Protocol (SbRTP) enhanced– 7KHZ voice bandwidth
- Typical latency over LAN 6ms (using 1ms packet sizes)
- Max Packet Loss on the LAN 5%
- Bandwidth optimisation techniques: VAD (Voice Activity Detection)
- Diffserv (RFC 2474) –Type of service field configurable

System Management
- iCMS iManager Portal application
- On-board web browser
- Browser support either IE 6.0 or higher and Mozilla Firefox 3.0 or higher
- Upgradeable operating firmware

Status Indicators
- Power supplies 1 and 2
- Software status
- Ethernet ports status
- LAN TX and RX
- WAN error
- T1/E1 alarms:- LOS, LOF, AIS & RAI

Dimensions
- 1U high 19" wide rack mount (with detachable rack mounting brackets)
- Width: 432 mm
- Height: 1U
- Depth: 294 mm
- Weight: 4.5Kg

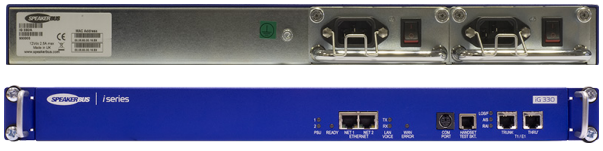
Interfaces
- E1/T1 Line, RJ48C sockets
- E1/T1 Pass-through, RJ45 sockets
- 2 x Network interface 10/100 base Ethernet auto sensing LAN, RJ45 sockets[2]
- 8 Pin mini din com port (reserved for use by Speakerbus)
- Handset test socket, RJ12
- IEC connector for PSU(s) on rear of unit

Power Requirements
- Dual redundant hot-swappable PSU's[3]
- Power Consumption during normal operation
  - 1 x PSU 12W
  - 2 x PSU 15W
- Individual PSU Rating
  - Input Voltage 100v-240v AC
  - Input Frequency 50/60Hz
  - Input Current 2.2A Max
- BTU Output
  - 1 x PSU 52 BTU/h
  - 2 x PSU 64 BTU/h

Operating Environmental
- Operating temperature 0°C to 35°C
- 10% to 90%, RH non condensing

Regulatory
- EC Directive 2002/96/EC (WEEE)
- RoHS compliance
- EMC standards - EU- EN55022; EN55024; USA - FCC part 15; JPN - VCCI V-3/02.04
- Safety - IEC60950-1 :2001 (1st Edition); EN 60950-1:2001 + A11: 2004
- E1/T1 interface standards
  - ITU-T G.703/4/6
  - ITU-T G.824
  - ITU-T I.431
  - TBR 12/13
  - I.431/ETS 300 011
  - ANSI T1.403
- Telecom approvals
  - EU: TBR12/13
  - USA: 47CFR Part 68, TIA-1096, TIA-968-A, TIA-968-A-1, TIA-968-A.2, TIA-968-A-3, TIA-968-A-4 & TIA-968-A-5
  - Canada: CS-03
  - Japan: Ordinance 31
  - Hong Kong: HKTA 2028
  - Australia: AS/ACIF S016

1. Limitations on the number of links/channel variants per mixer group is governed by the available onboard DSP resource
2. Redundancy support planned for a future release
3. A second PSU must be purchased separately for redundancy



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