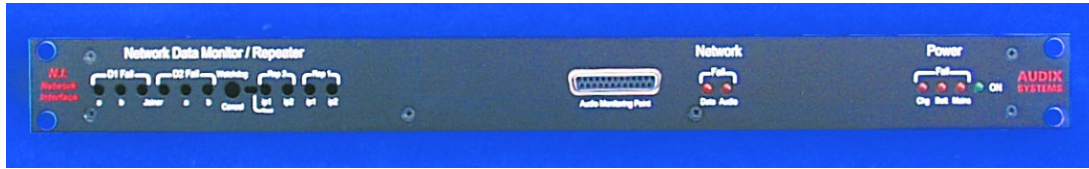


- Offices
- Leisure Centres
- Schools
- Theatres
- Stadia
- Museums
- Railway Stations
- Factories
- Airports
- Corporate HQ
- Arenas
- Conference Centres
- Ferries
- Cruise Ships
- Hotels
- Magistrates Courts
- MOD
- Call Centres
- Multi Building Sites
- Retail
- County Courts
- Shopping Centres

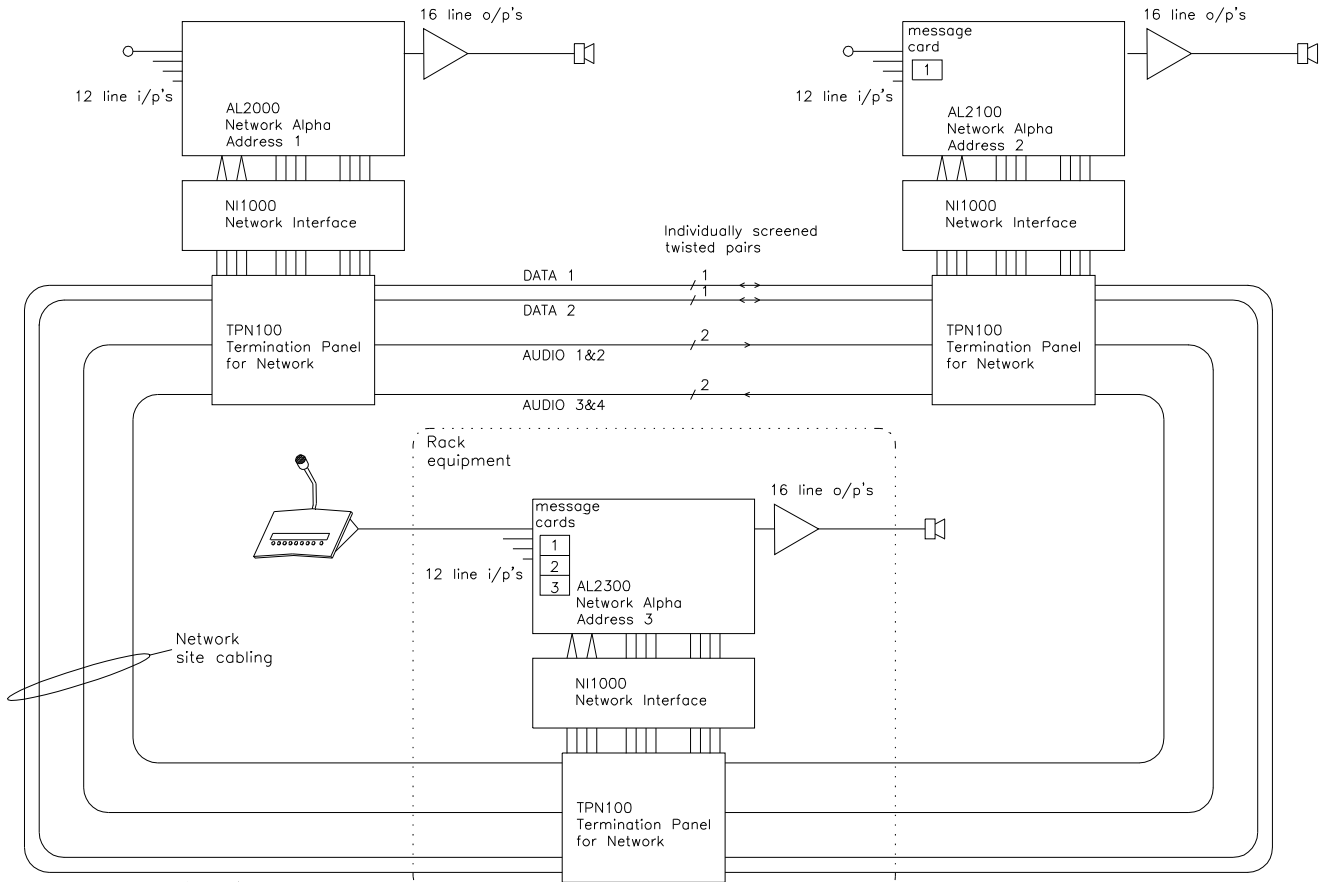


The Alpha Network Interface provides the link to interconnecting network cables at each network node where a *sub-system of one or more Alpha Controllers is located.*

- Robust interface to site cables.
- Automatic bypassing to maintain the network in event of local power or equipment failure.
- Equalisation of cable loss in long cable runs.
- Monitoring and supervision of fault tolerant data links
- Optional data repeater card to extend cable lengths.
- Audio network channels are individually configurable as:
  - Non monitored - PA only calls.
  - Monitored - VA critical path calls or PA calls.
  - Static - background music, signals.

Alpha Network Interface

System Controller



Alpha Network with NI1000 Network Interfaces (network across site cabling)

Network Type	Distributed <i>Alpha</i> Network. Audio; Dual redundant bi-directional ring Data; Multidrop dual ring	<p><b>Consultant Engineering Specification</b></p> <p>The system shall be a monitored distributed Voice Alarm with up to 16 locations over 7.5Km using standard FP200 cable.</p> <p>The network shall allow the creation of large systems with up to 256 inputs and outputs.</p> <p>The network shall use standard cables NOT optical fibre. The entire system shall be programmable from one location.</p> <p>The network shall be a fault tolerant dual redundant ring. In the even of a break in the network, audio and data shall automatically switch over to a working line.</p> <p>The system shall be fitted with fault monitoring in accordance with BS5839.</p>
Site Network connections (clockwise)	4 x audio, 2 x data (individually screened twisted pairs)	
Maximum no. network nodes	16	
Maximum network size	7.5km (using twisted pair cable)	
Maximum distance between nodes	2.5km (using twisted pair cable)	
Site audio input	4 x Electronically balanced line level with Gain & EQ	
Site audio input Gain & EQ	Gain +7 / -1dBu at 1kHz EQ +7 / 0 at 10kHz boost (min Q) Adjustable 'Q' +7 / +1 at 10kHz (with max boost)	
Site audio output	4 x balanced line level	
Frequency Response	10Hz to 20kHz	
Signal/Noise (0dBu input)	Better than -80dBu (22Hz-22kHz)	
Field Terminations	2.5mm <sup>2</sup> max	
Dimensions (length, width, Height in mm)	19" Rack Width 1U High (44mm x 480mm x 280mm)	
Standards	Meets or exceeds the requirements of BS5839. Compliant with EMC standards, EN 50081-1:1992, EN 50082-1:1998, EN 60555-2:1987 Compliant with LVD safety standards; BS EN60065:19	

Audix Systems reserves the right to modify or withdraw any product or service without notice