

Audio Over Ethernet

AOE-212N



OVERVIEW

THE AOE AUDIO over ETHERNET NETWORK is an easy to use solution for transporting audio signals over Ethernet TCP/IP based local and wide area networks (LAN/WAN), as well as the Internet.

Ethernet Transport

The AOE is a bidirectional 2 channel audio transmission over TCP/IP LAN or WAN Ethernet network. Control of Local and remote equipment is possible using the built in eight programmable trigger inputs to initiate and terminate audio transmissions, eight programmable open collector control outputs as well as the RS-232 and RS-422 serial port for data transmission/reception.

Hi Fi

Long-distance digital transmission of balanced analogue audio signal is possible without electro-magnetic interference, signal loss or distortion. High quality uncompressed 24bit digital audio at 48kHz transmitted over TCP/IP network with a S / N better than 85dB, THD less than 0.01.

Power Backup

Simultaneous support of AC and DC power offering un-interrupted broadcast with emergency battery back up in the event of a power outage.

Easy to use

Monitoring of input and output signals as well as network status via the front panel LED indicators. Monitoring of the audio signal is made possible using the front panel mounted head-phone output jack

Browser configuration

Easy to use browser based software allows for user system monitoring and control of the transmission matrix. System Security prevents non-administrator users to tamper with the equipment operation and prevent malfunction. Equipment operation history is stored in a log file to check the operating status of the equipment, and equipment malfunction traceability making it easy to identify system faults.

FEATURES

- High-quality audio and data transmission
- Audio + control transmission system over a single cat 5e cable
- Long-distance transmission using Ethernet network
- Multiple transfer functions (WAN 1:20, LAN 1:60)
- Uncompressed and compressed digital audio transmission
- High-quality audio, S / N greater than 85 dB, THD less than 0.1%
- 2-channel bi-directional Data transfer (422/232/8x8 contact I/O)
- Supports communicate data 19200bps data communication.

User-friendly

- Front panel monitor control and head output jack
- Signal indicators
- Network connection, operation, power LED
- Network information display window
- Compact 1U size
- Hardware reset switch

Contractors Convenience

- Easy audio wiring using Euroblock terminals
- Balance Audio input / output
- Audio Input volume control
- Removable front handles
- AC, DC simultaneous power

AUDIO OVER ETHERNET

Audio Over Ethernet AOE-212N



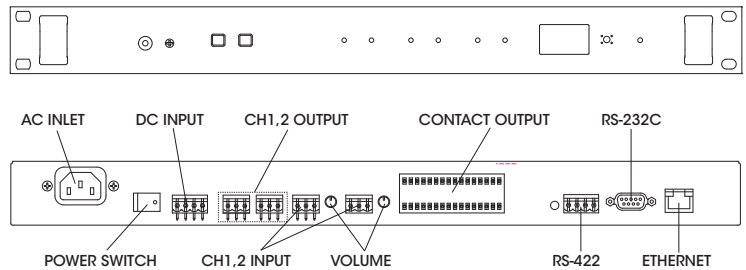
SPECIFICATIONS

	AOE-212N
Maximum Input Level	+ 20 dBu
Maximum Output Level	+ 20 dBu
Frequency characteristics (48Khz Sampling, ± 1dB)	30Hz ~ 20kHz
T.H.D (48Khz Sampling)	0.1% (under)
Support Sampling Frequency	8, 16, 32, 44.1, 48 KHz
Quantization bits	24 bit
Communication type	Contact, RS-232C, RS-422
Contact Input, Output	Input 8-Channel, Output 8-Channel
Serial communication rate	2400 bps~115200 bps
ETHERNET(LAN)	10-100 Base-T, (RJ-45)
Operating temperature	-10° C ~ 40° C/ 50 ~ 104
Using Power	AC 220~240V or DC 24V
Power Consumption	28W under
Weight (SET)	3.27kg/7.2lb
Dimension (SET)	482(W)×44(H)×280(D)mm/18.9(W)×1.73(H)×3.14(D)in

* Specifications and design are subject to change without notice.

APPLICATION

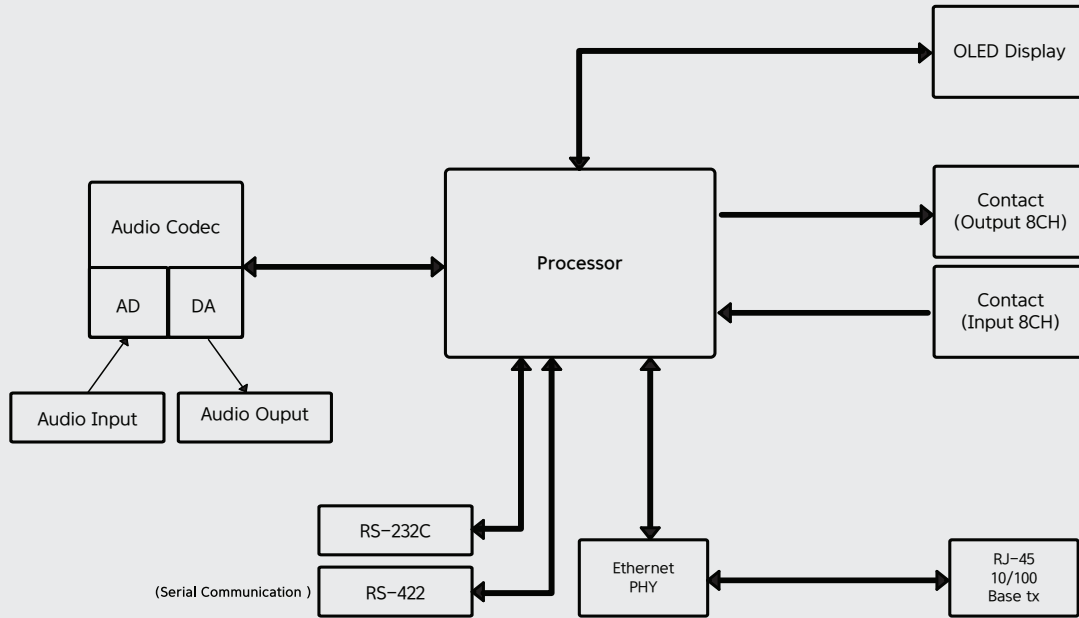
Applications include campus wide paging or messaging, background music, audio distribution for airports, railway stations, ground transportation, and anywhere audio required to be transported easily over long distances.



Audio Over Ethernet AOE-212N



BLOCK DIAGRAM



Inter-M Corporation

- Office : 653-5 BANGHAK-DONG, DOBONG-KU, SEOUL, KOREA
 - Tel : +82-2-2289-8140~8, Fax : +82-2-2289-8149
 - Home page: <http://www.inter-m.com>, E-mail: overseas@inter-m.com

Inter-M Corporation (USA)

- Office : 14730 E. FIRESTONE BLVD #312 LA MIRADA, CA 90638
 - Tel : +1-714-523-1870, Fax : +1-714-523-1882
 - Home Page : <http://www.inter-m.net>, E-mail : info@inter-m.net