

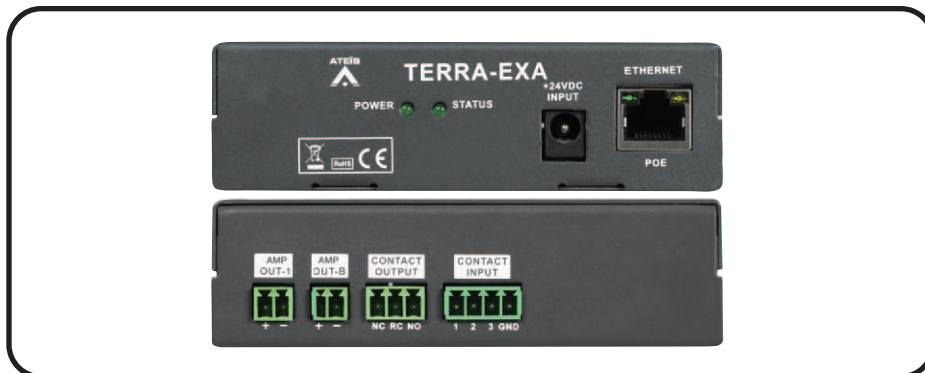
TERRACOMM TERRA-EXA



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FEATURES

- 2 x 20 W independent amplified outputs @ 8 Ohm.
- Audio outputs: bandwidth 20 Hz - 20 kHz.
- Ethernet interface including POE.
- 24 VDC power supply (not included).
- G.711, G.722, MP3, AAC (Shoutcast/Icecast) audio decoding.
- Power & Status LED.
- 3 analog control inputs.
- 1 FORM-C relay output.
- Power consumption: 48 W @ 24 VDC.
- Weight: less than 16 Oz.
- Dimensions (mm): Depth 4", Height 1.25", and Width 4.30".



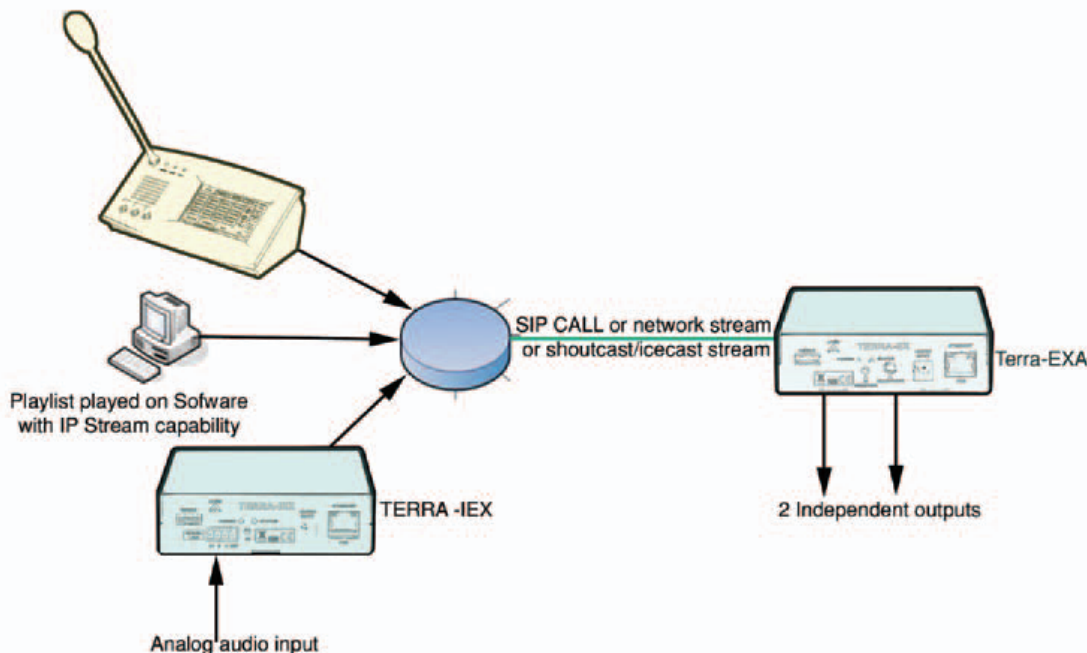
DESCRIPTION

TERRA-EXA is an amplified IP audio decoder. Since the output device is the most price sensitive part of an IP audio system, ATEİS has proposed the best cost effective output device with 2 independent 20 W amplified line outputs.

The TERRA-EXA will be your ideal IP solution for any applications where you need a simple balanced audio output with some I/O contacts & relays.

The TERRA-EXA uses G.711 / G.722 / PCM / MP3 decoding / AAC (icecast). Network sources and volume controls can be implemented thanks to the analog inputs. Priority management, volume management, event management & scheduler are set up thanks to embedded web pages.

TERRA-EXA belongs to the TERRACOM range, the new ATEİS Audio over IP solution.



TERRACOMM TERRA-EXA



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■ ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Terra-Com audio communications, messaging, and intercommunications platform is a suite of products designed to transmit live audio paging, stored and live messaging, background music, 2-way intercommunications, control input and output triggers, and audio monitoring over TCP/IP networks. The audio communications system does not require the use of any server or controller to function as each device/unit in the Terra-Com product line contains HTML browser software for program mapping and control. All Terra-Com Audio over IP devices utilize SIP, TCP, DHCP, IGMP, and SNMP communications protocol to allow communications and audio transmission over a variety of LAN/WAN configurations. Most Terra-Com devices/units are P.O.E. (Power Over Ethernet) and/or can be powered locally with remote 24VDC Power Supply.

The Terra-EXA unit shall be equipped with a single RJ-45 Ethernet port to allow communications to other Terra-Com devices or 3rd party networked audio controllers via TCP/IP without the need for additional servers or controllers. The Terra-EXA shall decode streamed audio G7.11, G7.22, PCM, AAC (Shout/Icecast), or MP3 formats. The Terra-EXA decoder shall provide 2 amplified audio outputs (20-watt at 8-ohms), a single Form-C programmable relay output, and 3 Control input logic triggers.

The Terra-EX unit's audio output is max +5dB balanced line—level audio with a bandwidth of 20Hz-20kHz. Built-in HTML browser software includes audio management, mapping, remote analog controls, control I/O mapping, Terra-EXA units shall be equipped with power and status LED lights and a local 24VDC local power supply jack - 48w. Terra-EXA shall measure 4.1"D x 1.25"H x 4.3"W. The unit shall weigh 16oz.

Warranty shall be 5 years and be CE Compliant.

SCREEN
SHOT

The screenshot shows the ATEIS Web Management interface for the Terra-EXA unit. The top navigation bar includes tabs for Setup 1, Setup 2, Update, Status, and About. Below this is a secondary navigation bar with tabs for Basic Setting, Device List, Function Libraries, Audio Matrix, Control Input, Playlist, Recording, and Codec Registers. The main content area is divided into three sections: Network, System Time, and SERIAL LINK Bypass. The Network section contains fields for IP Address (192.168.1.112), Subnet Mask (255.255.255.0), Gateway (192.168.1.254), and DNS (192.168.100.203). The System Time section includes a Location dropdown (Asia/Taipei), NTP Client status (Disable), and Server IP/Name (time.stdtime.gov.tw). The SERIAL LINK Bypass section has checkboxes for UART to IP4 and IP4 to UART, both set to Disable. The SIP section contains various configuration options including Username (ateis_EXA), Firewall Traversal Mode (Terra Net), WAN IP (192.168.100.1), SIP Port (5060), RTP Port (6912), Audio Codec (L16), Paging Mode (IGMP), Time to Stop Ring (5 sec), SIP Auto Answer (Enable), SIP Auto Answer Input (MIC IN), Speak Out IP Address (CIN1) (Disable), Factory Setting (CIN2) (Disable), and SIP Active/Inactive status (logic1/logic2). The interface also includes Save and Cancel buttons at the bottom right.

ATEIS Web Management
TERRA-FDX v1.0.17.9, uptime: 0:04:04
ateis_FDX@192.168.1.112:5060

Setup 1 Setup 2 Update Status About

Basic Setting Device List Function Libraries Audio Matrix Control Input Playlist Recording Codec Registers

Network

IP Address: 192.168.1.112
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.254
DNS: 192.168.100.203

System Time

Location: Asia/Taipei
NTP Client: ☐ Enable ☒ Disable
Server IP/Name: time.stdtime.gov.tw

SERIAL LINK Bypass

UART to IP4: ☐ Enable ☒ Disable
IP4 to UART: ☐ Enable ☒ Disable

SIP

Username: ateis_EXA
Firewall Traversal Mode: ☐ SIP Server ☒ Terra Net
WAN IP: 192.168.100.1
SIP Port: 5060
RTP Port: 6912
Audio Codec: L16
Paging Mode: IGMP
Time to Stop Ring: 5 sec
SIP Auto Answer: ☐ Disable ☒ Enable
SIP Auto Answer Input: ☒ MIC IN ☐ LINE IN
Speak Out IP Address (CIN1): ☒ Disable ☐ Enable
Factory Setting (CIN2): ☒ Disable ☐ Enable
SIP Active: logic1
Audio Out 1 Active: logic1
Audio Out 2 Active: logic1
SIP Inactive: logic2
Audio Out 1 Inactive: logic2
Audio Out 2 Inactive: logic2

Save Cancel