



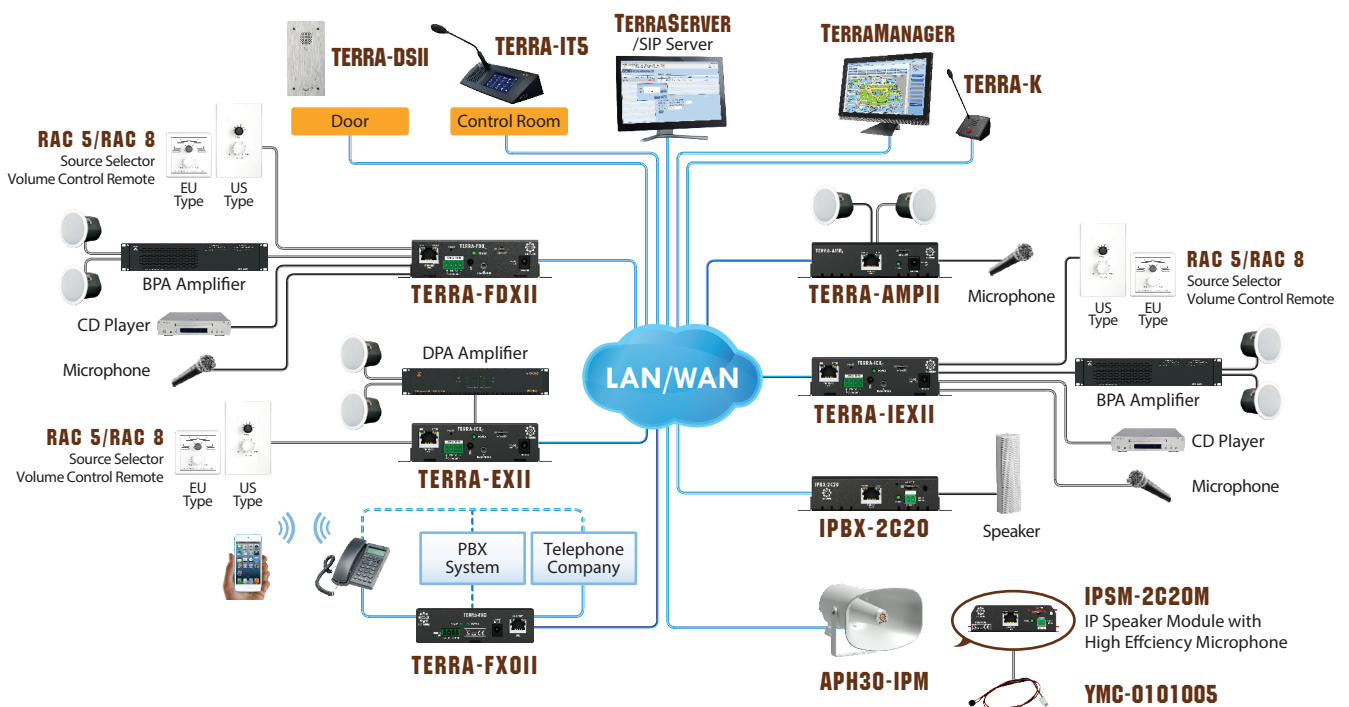
The Purpose of TERRA-EXII is the cost-effective output device that comes with 2 balanced line outputs, 1 stereo line output (3.5 mm mini-jack) for audio monitoring via headphones. Furthermore, 3 control inputs work with RAC5/RAC8 source selector, volume controller, event triggering such as call/hang up, music play/stop, 3rd party command ,etc. And 1 relay contact output can be programmed to control an external device.

TERRA-EXII is designed for point to point or multi-point audio distribution as well as converting the analog audio via Ethernet/Internet network without the need of a computer. Moreover, it supports up to 200MByte for music/message/recording storage. Also, the Micro SD card can storage all audio files.

FEATURES

- Support PoE+ and PoE power
- Power, link and status LED indicators
- 1 stereo or 2 mono line output with 3.81 mm Euro-block
- 1 headphone output (3.5 mm mini-jack)
- 3 contact input and 1 contact output
- Easily configured, controlled, managed and monitored via web browser
- Paging with priority which can automatically override other audio source such as background music
- Support 3rd party control with TERRACOM system, and 3 interface of RS232, RS485 and Ethernet for customer option
- Internal 200MB storage and micro SD card interface for music/message/recording storage

SYSTEM DIAGRAM



TECHNICAL SPECIFICATIONS

ELECTRICAL

- Power over Ethernet (POE+)
- DC power input: 21 ~ 27.5 VDC
- Power consumption
 - PoE+: 25W max.
 - External power: 50W max.
 - Stand-by: 3W
- Input power option: DC power input, POE (IEEE 802.3 af), POE+ (IEEE 802.3at)

LOGIC INPUT

- Frequency response: 20 Hz ~ 20 kHz (± 3 dB) @ 0 dBu
- THD+N: < 0.1 % (20 ~ 20 kHz @ full power)

INTERCONNECTION

- Female RJ45 socket, CAT5/6 cables
- Max. cable length: 100m

SUPPORTED PROTOCOLS

- SIP 2.0 (peer and proxy)
- IETF SIP (RFC3261)
- IETF IGMP version 2 (RFC2236)
- IETF RTP (RFC1889)
- Switch requirements (minimum request)
 - Transmission rate: 10/100M bps
 - Communication mode: full-duplex
 - IP protocols: IPv4, TCP/IP

CONTACT OUTPUT

- Default status: OPEN (N.O.)
- Maximum voltage: 30 VDC
- Maximum current: 4A

NETWORK

- 10/100 Mbps Base TX Ethernet RJ45
- Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup
- Time and date synchronization using NTP

MECHANICAL

- Dimensions (W x H x D): 105 x 32 x 83 mm (4.1 x 1.3 x 3.3 inch)
- Weight: 330g (0.73 lbs)

ENVIRONMENTAL

- Operating temperature: -5 °C ~ +50 °C (+ 23 °F ~ +122 °F)
- Storage temperature: -40 °C ~ +70 °C (-40 °F ~ +158 °F)
- Relative humidity: 20% to 95%
- Air pressure: 600 to 1100 hPa
- Heat dissipation: 10.24 BTU/hr @ 20W x 2CH

AUDIO PROCESSING

Level Control, PEQ, Hi/Lo Pass Filter, Ducker, Limiter

ENCODERS/DECODERS

Function	Supported Audio Decoders
SIP	G.711u, G.711a, G.722, G.729, PCM16K, WAVE and MP3
Stream	G.711 ulaw, G.711 alaw, G.722, PCM16K, WAVE, MP3
Record (encode only)	WAVE, MP3

ORDERING INFORMATION

TERRA-EXII	IP Audio Decoder II
TERRA-EX2II	IP Audio Decoder II (RS232)
TERRA-EX4II	IP Audio Decoder II (RS485)

* Notice (External Power Adapter): All models of TERRA-EXII are not shipped with the external power adapter, and please order "PSU12-24D" if there is no PoE switch in the installation environment.

* Notice (L Sharp Bracket): All models of TERRA-EXII are not shipped with the L Sharp Bracket, please order "LBKT-TCOMII" for user's need.