

# TeleLEX ES-0624

## Analog Expansion Box 6 Ports Analog Trunk + 24 Ports Analog Extension

**ES-0624** is an analog expansion box that provides 6-channel analog trunk line interface, 24-channel extension line interface, and all with status display. It supports trunk bypass when power outage, caller ID receiving and generation, and message waiting indicator for the analog extension. Compact designed in 1U rack mountable. Connect to the AbovEdge with just one E1 line. Furthermore, the loop distance supported by an E1 line between the ES-0624 and the AbovEdge server can be extended to 1000 meters. The standalone architecture and compact design makes the ES-0624 reliable, powerful, hot swappable and easy to install.



### FEATURES & BENEFITS

- 1U 19" Rack Mountable
- 6-channel independent analog trunk line interface with status LED
- 24-channel independent extension line interface with status LED
- Pulse dialing; Pause, flash time selection, loop current drop detection (Trunk Interface)
- Ring detection; caller ID detection, Loop current detection; Onhook / offhook control (Trunk Interface)
- Pickup/Hangup/Flash detection; Flash duration selection (Extension Interface)
- Ringing generation, caller ID generation, support message waiting indicator (Extension Interface)
- Extension line maximum length up to 1 km
- Supports distant extension connection (Max. 1Km) when direct wiring to the AbovEdge
- On-line Firmware upgradable
- Hot-swappable
- Cost-effective and easily manageable for the analog interface setup and extending.

### APPLICATIONS

- Provides the analog trunk and extension interface to the AbovEdge server.
- For departments/branches locate within 2 Km (such as in different buildings nearby) from the AbovEdge server(No leased line required)

### TECHNICAL SPECIFICATIONS

#### Analog Trunk Interface:

- Loop start
- Loop voltage polarity reverse detection
- Loop current: 20~80mA, polarity insensitive
- Interface impedance: 600 ohms nominal
- Frequency response: 200~3400Hz
- Ring detection: 30Vrms~140Vrms(16~68Hz)
  - ✓ 5VRMS@68Hz min.
  - ✓ 28VRMS@15Hz min.
- Pulse dialing: 10/20 PPS, M/B ratio 33/66, 40/60 selectable
- Caller ID receiving: Bellcore GR-30-CORE & DTMF
- Connector: 2 ports RJ-45

#### Extension Interface:

- Loop start
- DC Supply: -62V (standby)
- Loop current: 25mA
- Interface impedance: 600 ohms
- Frequency response: 200~3400Hz
- Ringing: 45Vrms(20 Hz)
- Loop Range: 0~200 ohms
- Caller ID generating: Bellcore GR-30-CORE / DTMF
- Message waiting indicator: Bellcore FSD 01-02-2000
- Pickup/Hangup/Flash detection; Flash duration selection
- Connector: 6 ports RJ-45

#### E1 Interface:

- Nominal Bit Rate: 2048Kbit/s
- Frame Format: CRC4
- Line Code: HDB3
- Voice Channel: a-law/μ-law compression
- Connector: RJ-45 x 1

#### Failover switch

- FXO line 1~4 bypass to FXS line 1~4 when power outage

#### Power Supply:

- Input: AC 100V~240V, 50~60 Hz
- Power consumption: 60W (max.)

#### Dimension:

438mm×173mm×44mm(WxDxH)

#### LED Indicator:

- FXS LED (Green) x 24
  - ✓ Ringing
  - ✓ Extension In Use
- FXO LED (Green) x 6
  - ✓ Ringing
  - ✓ Line In use
  - ✓ Loop Current Detection
- PWR LED (Green)
- SYS1 & SYS2 LED (Green): System status indicator
- RST LED (Red)
- FAN1 & FAN2 LED (Red): Fan alert
- Sync LED (Green) & Error LED (Orange): E1 link status indicator

#### Reset Switch:

- Reset switch at the front panel

\*Information and specification are subject to change without prior notice.