

ES-0030

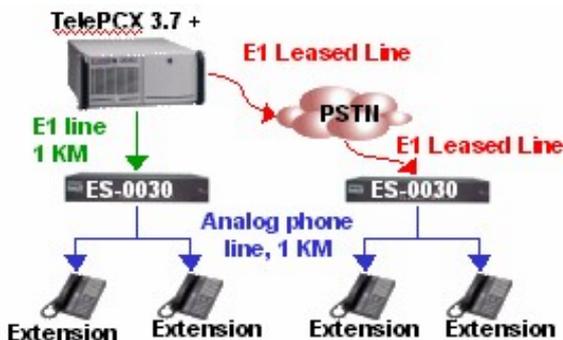
30 Ports Extension Switch

ES-0030 is an Extension Switch Box that provides 30 extension ports. The standalone architecture and compact design makes the ES-0030 reliable, hot swappable and easy to install. Using ES-0030, TelePCX can support up to 600 extensions in one chassis, or more extensions using stack up architecture. Furthermore, the loop distance supported by an E1 line between the ES-0030 and the server can be extended to 1000 meters. The physical analog extension lines connected to the ES-0030 can be extended an additional 1000 meters. Therefore, by implementing the ES-0030, the physical extensions can be located up to 2,000 meters away from the TelePCX server. If the ES-0030 and TelePCX server are connected through an E1 leased line provided by the Telephone Company, the ES-0030 and the extension lines can be physically extended as far as the Telephone Company can support. Thus, the remote department/branch can have the same PBX features as that of the main office TelePCX, and there is no need for remote departments or branch offices to equip the extra PBX systems or VoIP Gateway for external communication and internal toll savings.



FEATURES & BENEFITS

- Provides 30 extension ports per ES-0030 box
- Ready to connect to TelePCX server. Each TelePCX chassis can support up to 20 ES-0030
- Supports Distant Extension Connection (Max. 1Km) when direct wiring to TelePCX
- Cross-city connection through E1 lease line
- On-line Firmware upgradable
- Hot-swappable
- Cost-effective and easily manageable for extensions setup and extending.



TECHNICAL SPECIFICATIONS

Extension Interface:

- Loop start
- Standby Voltage: -62V
- Loop current: 25 mA
- Interface impedance : 600 ohms
- Frequency response: 200 -- 3400 Hz
- Ringing Voltage: 45Vrms (20 Hz)
- Loop Range : 0~200 ohms
- Connector: two sets Modular RJ-45 phone jack x 4
- Pickup/Hangup/Flash detection; Flash duration selection
- Caller ID Transmission: DTMF or FSK (Bellcore GR-30-CORE)(Note 1)
- Visual Message Indicator : Bellcore FSD 01-02-2000 (Note 1)

E1 Interface:

- Nominal Bit Rate: 2048Kbit/s
- Frame Format: CRC4
- Line Code: HDB3
- Voice Channel: a-law/u-law compression
- Connector: Modular RJ-45 phone jack x 2, at rear panel of ES-0030 for direct wiring to TelePCX server or connection to a remote TelePCX through an E1 line.
- Load Impedence: 120Ω±5%, Balanced.

Indicator:

- Red Indicator: Reset operation indicator
- Green Indicator: Power indicator
- The "sys1" and "sys2" of "Status": Represent the system status. If both lights are flashing, this means the system work normally. If only one or none of that is flashing, it represents the system doesn't function properly, please send it to repair immediately. When doing on-line firmware upgrading, "sys1" and "sys2" stop flashing until upgrade finished.

Reset Switch :

- Reset switch at the front panel

Power Supply :

- Input Voltage, Frequency : AC 90V~240V, 50~60 Hz
- power consumption : 115W(max)
- Input Inrush Current : 20A at 115Vac ,40A at 230Vac (max.)

Dimension :

- Dimension: 438mm×173mm×44mm(W/D/H)

APPLICATIONS

- For departments/branches locate within 2 Km (such as in different buildings nearby) from the TelePCX server (No leased line required)
- Used to extend PBX functions (physical extensions) from TelePCX server to remote department/branch as far as possible through the connection of E1 leased line.
- To simplify the wiring for offices need 600 or more extensions