

# Cleo 3770

Complete 3770 RJE Emulation for Unix Systems in SNA

**R**emote Job Entry (RJE) continues to play an important role in electronic data interchange (EDI), electronic claims filing, point-of-sale polling and other batch transfer applications. Despite competition from lower-cost asynchronous communications packages, RJE continues to be a popular file transfer tool for many large organizations.



One reason is fast throughput. Synchronous protocols transfer files more efficiently than asynchronous protocols. RJE's other strengths include its maturity, proven effectiveness, and widespread use as a communications standard in the automotive, retail and healthcare industries.

Cleo® 3770 helps organizations continue to take advantage of the stability and speed of RJE. A complete 3770 RJE Emulation package, Cleo 3770 enables distributed Unix systems to emulate IBM 3776 and 3777 RJE stations for fast, easy batch transfer in SNA networks.

## How Cleo 3770 Works

Cleo 3770 communicates with IBM host Job Entry Subsystems such as MVS/JES2, MVS/JES3 and VSE/POWER. Users can submit jobs to SNA host for processing and receive

output generated by the host. Users can also issue commands to the host Job Entry Subsystem and receive output from these commands via the host console.

## Multiple RJE Stations, Sessions and Output Devices

A single Cleo 3770 installation can be configured to provide multiple RJE stations. For each station, users receive up to five simultaneous host sessions, plus support for up to nine printers and nine punch output devices. This flexibility allows for custom configurations to different groups of users based on their specific RJE needs.

## RJE Console Program

Cleo 3770's full-screen console program enables users to view messages produced by the host while processing RJE jobs. The software can also be used to issue host commands and view the host's response to these commands. The console program allows users to view this information as it becomes available, or browse through previous commands and messages.

## A Software-Hardware Solution

Cleo 3770 software comes with an ISA- or Micro Channel-compatible synchronous interface board designed for high-performance communications. The boards handle line speeds up to 64Kbps, with low overhead on the Unix system. Users also receive support for up to seven IRQs and seven I/O addresses.

## Fully Supported and Guaranteed

The Cleo 3770 RJE package includes communications software and hardware, plus documentation. Ongoing technical support is also available at reasonable fees. Also included is a full one-year warranty on hardware and Cleo's 30-day money-back guarantee. Token Ring adapters must be purchased separately.

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## PRODUCT SPECIFICATIONS

# Cleo 3770

## TECHNICAL SPECIFICATIONS

### RECEIVE AND TRANSMIT CAPABILITIES

- Queues jobs locally on a spool before submitting them to the host.
- Routes host output to a disk file, or transmits it as standard input to a program or shell script for processing.
- Accepts PDIRs (Peripheral Data Information Records) from the host. These can be stored in files or passed as parameters to programs that process the input.
- Optionally translates data from ASCII to EBCDIC when sending to the host, and from EBCDIC to ASCII when receiving from the host.
- Allows users to send and receive data in 128-byte, as well as 80-byte, records.
- Supports data compression both in transferring to and receiving from the host.

### ADDITIONAL FEATURES

- API (Application Program Interface) capabilities through Unix program of scripting language
- Printer forms control
- SCS (SNA Character Stream) support
- Easy, menu-driven configuration
- Cleo Management Utilities for extra flexibility in configuring, managing and maintaining your Cleo installations.

### OPTIONAL CAPABILITIES

- Cleo 3270 SNA, featuring HLLAPI, IND\$FILE and up to 254 sessions.
- Cleo APPC/CPI-C (Advanced Program-to-Program Communications/ Common Programming Interface for Communications) over LU Type 6.2
- Cleo LUA/LU 0 (Logical Unit API over LU Type 0, 1, 2 or 3)
- Cleo Advanced NetView Support
- Cleo NetView DM Client supporting host-initiated, host-managed file transfer
- Cleo SupportLink™ for central support of remote Unix systems via SNA rlogin



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