

# Solutions

## Terminal Server

### ATS-2RM/4RM Rack Mount Terminal Server

(for Asynchronous and/or Synchronous lines)

PNC's ATS-2RM/4RM (**R**ack **M**ount case) Terminal Server allows Asynchronous and/or Synchronous lines to be connected to a Unisys, Tandem or non-Unisys hosts. The ATS-2RM/4RM has an embedded operating system, no PC is needed. ATS-2RM/4RM is controlled by PNC's **GUI based Remote Manager** on any Windows98, WindowsMe, WindowsNT, Windows2000, WindowsXP, Windows 2003 PC that has appropriate security. The ATS-2R/4RM provides a gateway from the proprietary Unisys/IBM terminal device(s) such as terminals, PCs with Terminal Emulators, Document Processors, encryption devices and ATMs and ATM Service Centers to the proprietary Unisys, Tandem and other hosts via LANs and/or WANs. There is no need for BNA or NDL (cost savings) by the ATS-2RM/4RM.



#### Legacy protocol supported

- Burroughs Poll Select Synchronous & Asynchronous
  - ✓ Group Poll
  - ✓ Poll Contention
  - ✓ Select only for output only terminals/printers
  - ✓ Response time-out values as a terminal definition
  - ✓ Burroughs Point-to-Point
  - ✓ Burroughs Inverse Poll/Select
  - ✓ CANDE editing, including Scroll mode
  - ✓ Poll/Select including various types of NCR terminals
- Bisynchronous Protocols:
  - ✓ 2780
  - ✓ 3780
  - ✓ 3270 (forward & reverse)
  - ✓ DP1N00 Reader/Sorters (aka ORS)
- TTY

- Hayes Modem compatibility Asynchronous & Synchronous.

#### Configuration rules

- Each ATS-2/4RM can address up to 100 legacy stations
- Each ATS-2/4RM has a 168Kbps aggregate band pass
- Each ATS-2/4RM can be located anywhere in network
- ATS-2/4RMs are cascaded until needs are met
- High Speed (56K) port is port #1
- High Speed (56K) cable not to exceed 3 feet

#### Hosts supported

- Unisys via telnet (TCP/IP)
- Unisys via, CCF (**C**ustom **C**onnect **F**acility)
- Tandem host via CTS
- Non-Unisys hosts socket/port interface

#### User supplied hardware & software

- Libra/LX7N00/ClearPath/"A" Series Unisys host
- For Unisys TCP/IP ICP and/or CCF
- For for Tandem CTS
- For other hosts socket/port interface
- Network hardware such as WAN a router
- Cabling, straight thru DB25 male connector
- TDI converter(s) if needed.

#### Remote Manager

- Runs on an Microsoft Windows 98/Me/NT/2000/2003 PC
- Accesses ATS-2RM/4RM
- Console capability
- Security needed to sign on
- Initial Setup is via HyperTerminal with PNC supplied cable to set IP address in ATS
- Remote Manager uses LAN or WAN to set up the ATS
- Resident PC need not be local to ATS
- GUI based with drop-down menus
- Wizard is a separate install, uses Microsoft's no-charge Merlin Wizard
- Merlin tutors and fills in ITI legacy device specifications

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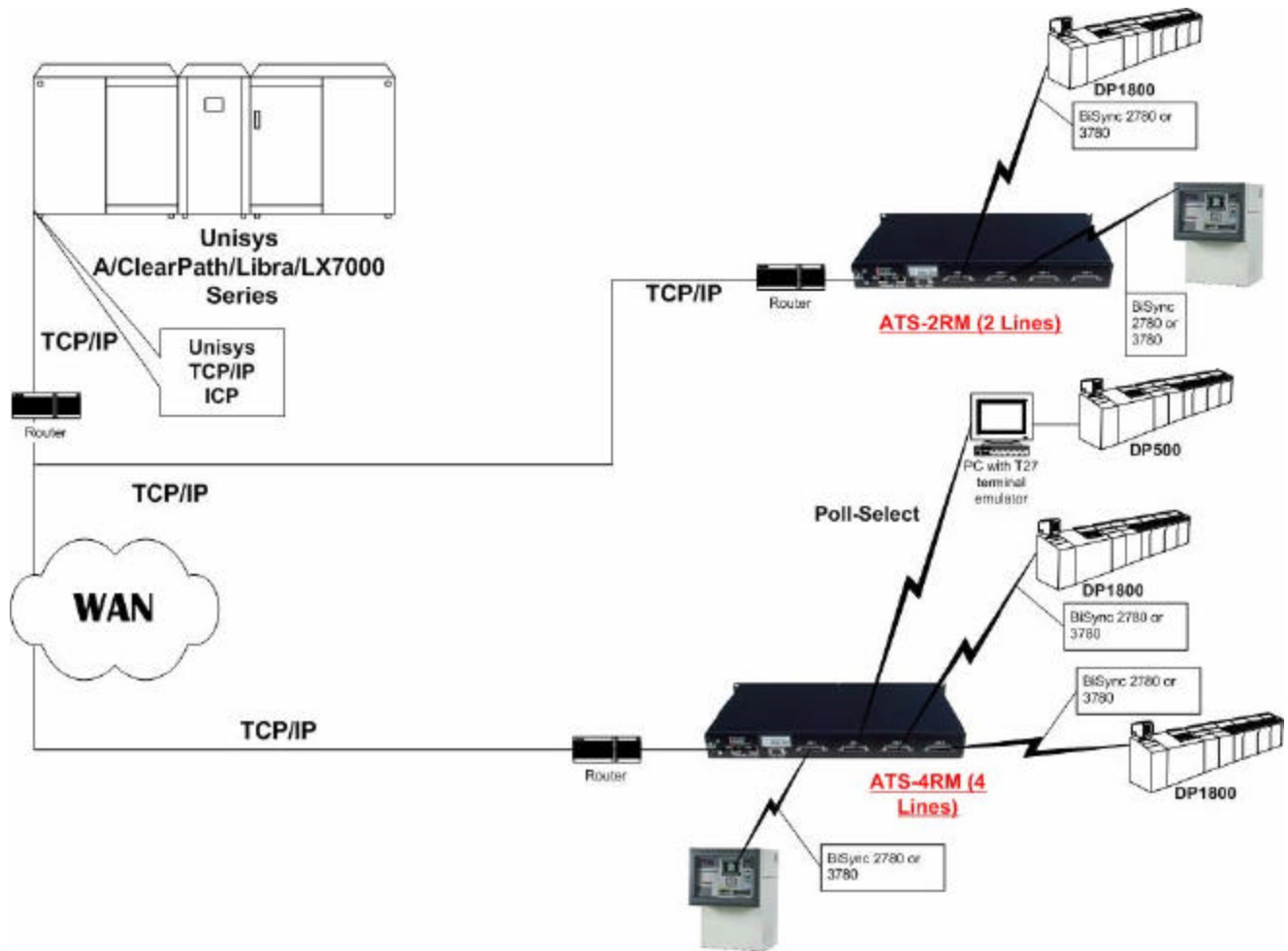
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## ATS-2/4 Remote Manager and Legacy Line Monitor

The screenshot displays the 'linux : ATS Manager by PNC, Inc.' application. The interface is divided into several sections:

- Monitor Line 1:** A terminal window showing a grid of characters, likely representing a data stream or a test pattern.
- Line 1 Configuration:**
  - Var#1 / Var#2:** Input fields for variables.
  - Name:** Poll Select
  - CTS:** 10, **RTS:** 0
  - Protocol:** Poll Select
  - Baud:** 9600
  - Mode:** Sync
  - Type:** Leased / Direct
  - Parity:** Odd
  - Data Bits:** 7 bits/byte
  - Line Wizard:** Includes 'Station Reinstate Time' (30) and 'Idle Line Disconnect' (2 X 15 Sec).
- Line Status:** A grid of buttons for Line 1 through Line 12. Line 1 is 'Up', while Lines 2-12 are 'Disabled'.
- Hosts and Unit IP:** A tabbed interface with 'Lines' selected.
- Line 1 Actions:** Buttons for Down, Up, Purge, Add, Modify, Delete, Zero Counters, Refresh, and Last Stat.
- MGR-Time / Messages:** A log showing events:
  - 10:59:18 LineMonitor ON
  - 10:59:45 Line 1 DOWN Performed
  - 10:59:58 Send Modify Line 1
  - 10:59:58 Line 1 MOD Performed
  - 10:59:59 Line 1 UP Performed