

Solutions

Terminal Server

ATS-12RM Rack Mount Terminal Server

(for Asynchronous and/or Synchronous lines)

PNC's ATS-12RM (**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-12RM has an embedded operating system, no PC is needed. ATS-12RMs are controlled by PNC's **GUI based Remote Manager** on any Windows98, WindowsMe, WindowsNT, Windows2000, WindowsXP, Windows 2003 PC that has appropriate security. The ATS-12RM 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-12RM.



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-12RM can address up to 300 legacy stations
- Each ATS-12RM has a 290Kbps aggregate band pass
- Each ATS-12RM can be located anywhere in network
- ATS-12RMs are cascaded until needs are met
- High Speed (56K) ports are #1, #5, #9
- High Speed (56K) cable(s) 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 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-12RM
- 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

Professional Networking Consultants, Inc

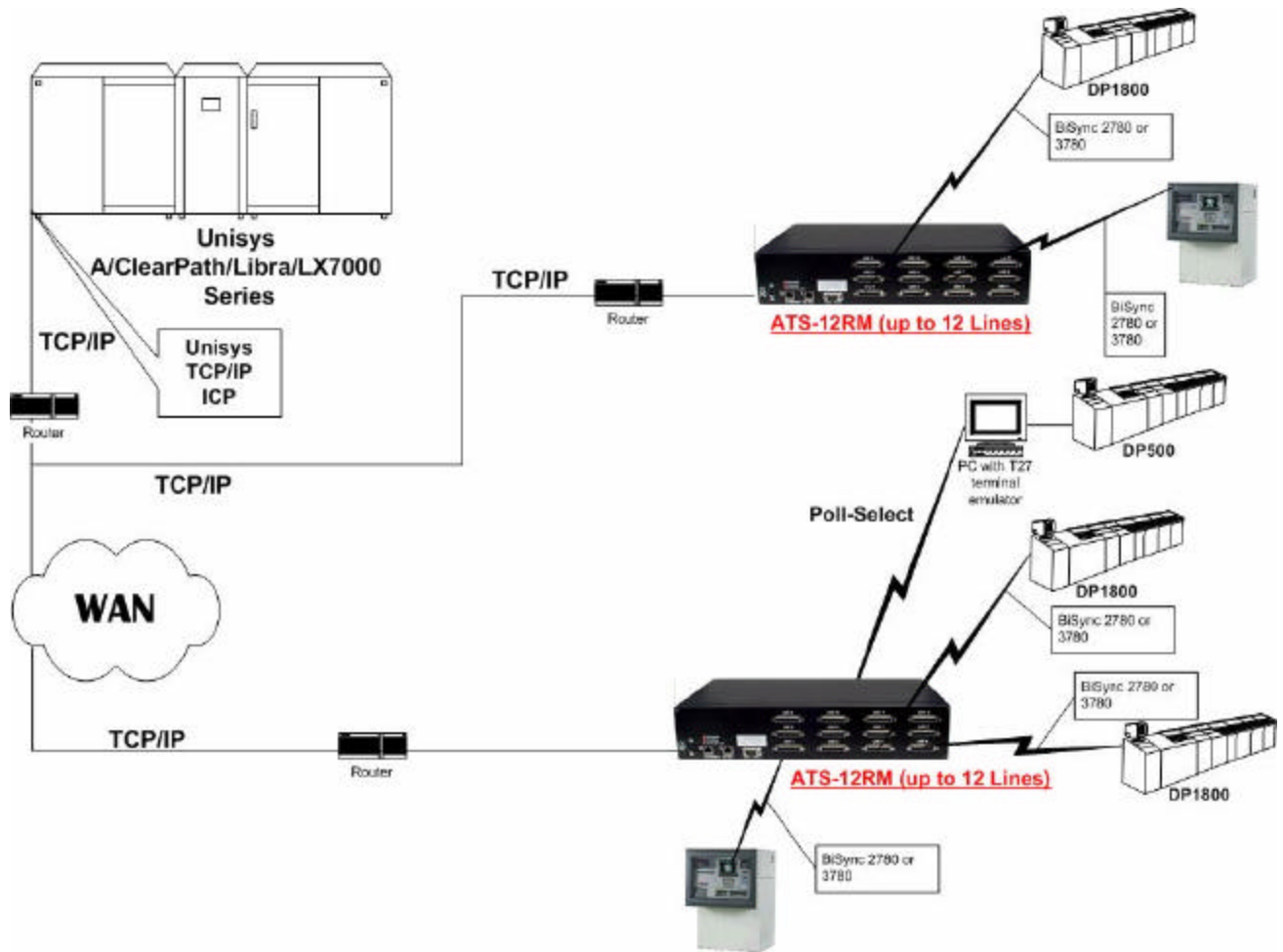
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ATS-12RM Remote Manager and Legacy Line Monitor

The screenshot shows the ATS Manager software interface. On the left, a 'Monitor Line 1' window displays a terminal window with a stream of characters. On the right, the 'linux : ATS Manager by PNC, Inc.' configuration window is shown. The window title is 'linux : ATS Manager by PNC, Inc.' and it uses Microsoft Agent Technology. The configuration is for 'Line 1' and includes the following settings:

- Name: Poll Select
- CTS: 10, RTS: 0
- Protocol: Poll Select
- Baud: 9600
- Mode: Sync
- Type: Leased / Direct
- Parity: Odd
- Data Bits: 7 bits/byte
- Station Reinstat Time: 30
- Retry: 5
- Up At BOJ:
- Line #1 Enabled:
- Idle Line Disconnect: 2 X 15 Sec.

Below the configuration window, there are buttons for 'Down', 'Purge', 'Add', 'Delete', 'Modify', 'Zero Counters', 'Refresh', and 'Monitor Line 1'. A 'MGR-Time | Messages' section shows a log of 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