Solution-Driven
For Open-Ended Network Flexibility
♦ Scalable, Integrated Models from 4 to 64 ports
♦ Open architecture, on large or small systems, for maximum expansion, power and growth
♦ All options software selectable
♦ Any serial protocol to any serial port
♦ As a multi-protocol access device Athena supports a mix of LAN and legacy protocols for connections to public, private, or hybrid networks and a variety of WAN services
♦ As a switch, Athena provides WAN connectivity to Frame Relay, X.25, X.75 services – or it can be used to build a backbone infrastructure
♦ As a multi-protocol concentrator, Athena aggregates different devices and protocols into a seamless backbone
♦ Easy to Install, Learn, and Operate

Athena Models
Athena is available in four chassis sizes. Each model is field expandable and modules are exchangeable between models (except Athena 1 CPU). This flexibility provides easy servicing and lowers maintenance costs by reducing spares inventory.
♦ Athena 1 - Desktop unit supports up to 8 ports
♦ Athena 2 - Supports up to 2 CPU modules and 16 ports
♦ Athena 4 - Supports up to 4 CPU modules and 32 ports
♦ Athena 8 - Supports up to 8 CPU modules and 64 ports
Athena-2 -4 and -8 are 19” rackmount units.

All units support 120 or 240 Volts AC, Athena-4 and -8 units support 48 Volts DC operation, - redundancy optional.

CPU 3 Features
Athena CPU Type 3 boards offer a five-time performance increase over conventional Athena boards.
Each board can support two fully loaded 8Mbps trunks, four fully loaded 4Mbps trunks or eight fully loaded 2Mbps trunks, each running 128 byte packets
CPU 3 supports a slide-in 10BaseT Ethernet interface (up to eight per chassis), reducing the cost of building routers from regular Athena boards.
Frame Relay has been enhanced to offer FRF.15 Multilink support allowing inverse multiplexing, load balancing and redundancy.
CPU 3 offers SNMP Manageability supporting SNMP v2, MIB II and a Private Enterprise MIB (comprising Trunk assignment, IP, Frame relay, Frame relay router, Router WAN Interface and LAN interface configuration).

Frame Relay Features
♦ Supports Frame Relay (RFC 1490, FRF.11, FRF.12, FRF.15),
♦ Frame Relay Switching
♦ Frame Relay FRAD
♦ X.25 over Frame
♦ Frame Relay SVCs
♦ Frame Relay Multilink
♦ Performance 25,000 fps (64 byte) per CPU

X.25 Features
♦ X.25 Switching
♦ X.25 Multilink
♦ X.75 Gateway
♦ CUG, NUI Support
♦ IP/X.25 (RFC 1356)
♦ X.25/IP (XIP)
♦ Performance 14,000fps (128 byte) per CPU

LAN Features
♦ Ethernet, IP Routing using RIP
♦ Performance 8000 fps (64 byte) aggregate

TCP to X.25 Gateway
♦ TCP Port ↔ X.25 SVC/PVC
♦ TCP Client/Server

Network Management Features
♦ AdventNet WebNMS 4 client/server
♦ SNMP /GUI Based
♦ Call Accounting
♦ CUG Management
♦ Console Management by local Async Terminal or remote Telnet or X.3 PAD call
♦ FTP File Upload/Download
Diagnostics Features
- Software capture and decode of Frame Relay, X.25 and IP traffic
- Electrical signals of selected ports can be routed under software command to an external datascope port
- Optional hardware provides voltage and temperature sensing, external relay control and switch closure detection.

Features offered by the CPU2
- IPX Routing,
- X.25 Load balancing
- X.3/X.28/X.29 Pad
- Asynchronous PPP
- Async PPP X.3 Switch
- SDLC TPAD/HPAD
- P1024C TPAD/HPAD
- Bisync TPAD/HPAD
- NUI Validation
- Loop Test DSM
- SDLC Terminal FRAD
- X780 Bisync PAD
- X.25 Over IP Package
- Bisync 3270 DSP TPAD
- Token Ring
- Hardware Compression
- Athena Compressed Voice Call Director
- TCP Line Printer Daemon
- Transparent HDLC PAD/FRAD

High Performance Hardware
Designed for High throughput
- Distributed processing architecture, which provides outstanding performance as system grows plus cost-effective system redundancy
- Up to 64 DMA-assisted ports support a range of synchronous protocols
- Scaleable performance with each added processor
- Redundant power supplies and dual power source on Athena 4 and 8
- Main system board redundancy
- Maximum network availability – hot swappable CPUs, power supplies, individual serial ports

Interoperable with Existing Athena Gear
CPU-3 boards can be used in existing Athena installations; replacing CPU-2 boards or be added to spare slots.

CPU-3 can use the same chassis, power supplies, electrical interfaces and interface carrier cards as the CPU-2.

Electrical Interfaces
- V.35, V.11 (to 8Mbps)
- V.24, X.21, 64Kbps/E1 G.703, 56Kbps/64Kbps CSU/DSU
- Serial interfaces are DCE/DTE software configurable
- Up to eight Ethernet 802.3 10BaseT interfaces
- Interfaces are hot-swappable