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
- X.25 (RFC 1356)
- Performance 14,000fps (128 byte) per CPU

LAN Features

- Ethernet, IP Routing using RIP
- Performance 8000 fps (64 byte) aggregate

X.25 to TCP Gateway Features

- TCP Port to X.25 SVC/PVC
- TCP Client and Server support

Additional Protocols Supported

- Asynchronous PPP
- Synchronous PPP
- X.3/X.28/X.29 PAD

Network Management Features

♦ NewVision NMS – AdventNet Web NMS 4 Server/Client
♦ SNMP/GUI Based NMS
♦ Fault Management
♦ Configuration Management
♦ Performance Management
♦ Security Management
♦ Network Map
♦ X.25 and Frame Relay 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 and X.25 traffic
♦ Electrical signals of selected ports can be routed under software control to an external datascope port
♦ Optional hardware provides voltage and temperature sensing, external relay control and switch closure detection.

Electrical Interfaces

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

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
♦ Hot swappable CPUs, power supplies, individual serial ports

Develcon

1103–21 Overlea Boulevard, Toronto, Ontario, Canada, M4H 1P2

Voice (416) 385–1390

info@develcon.com   www.develcon.com