DrayTek

VigorAccess Series

ADSL2+ IP DSLAM

VigorAccess A24M

VigorAccess A24S

BROADBAND ACCESS VIGOROUS

VigorAccess Series ADSL2+ IP DSLAM

- ADSL2/2+ High Speed Broadband Service
- Integrated Broadband DSL Data, Wirless, VoIP Service
- Small, Medium Scale NGN Network

To meet the increasing demand for high-speed Internet access and voice services. The VigorAccess series use the most advanced ADSL2+ technology to provide high-speed interactive application on copper wire.

The next generation network offers a feasible functionality of integrated services with the most cost effective architecture. It can provide rich content, DSL, POTS and VoIP services over traditional copper wire infrastructure. These three types of service will be supported on NGN architecture simultaneously. DSL is used as the data service platform, and VoIP or traditional POTS technology is a basis of the voice service. The multimedia and local content-rich applications can also be easily implemented on this NGN architecture.

The VigorAccess series can be easily configured by EMS. The EMS system covers topology, configuration, deployment, security, alarm management and back-end storage.

Scalable

The system is designed to be stackable with uplink Ethernet interface expansion. The port number is up to 168 ports with a combination of xDSL service. By using scalable architecture, equipment provider can scale up easily with benefit from low-initial investment cost as subscribers increase.

Single IP Management

The VigorAccess A24M IP DSLAM provides the feature of single IP management. Up to 7 IP DSLAMs can be managed by one IP address. It can reduce maintenance overhead.

Rate Adaptation (SRA)

The SRA is on-line configuration mechanism specified in ITU-T Rec. G.992.5. By using SRA, the downstream and upstream net data rates during showtime shall be automatically increased and decreased according to the line condition.

QoS Guaranteed

To ensure appropriate QoS, the telephone traffic is prioritized and assigned to a service flow, which is handled by ToS control and TCP/IP throttling. IPDSLAM should implement the IP packet classification function to support priority data flow to guarantee the quality of service. It might be necessary to assign voice packet a higher priority queue and assign data a lower priority queue.

Broadband Access for Building Complex, Community and Campus

For multi-tenant unit(MTU) building like hotels, community and commercial, the VigorAccess series provide cost-effective, flexible and easy deployment of Internet access, gaming, and video/audio services.

No New Wiring Required

It's costly and annoying to wire inside building. Through current telephone line the VigorAccess series deploy service on current POTS wiring closet. No new wiring required.

EMS Management - VigorView

DrayTek Element Management System - VigorView is a multi-tier architecture, flexible, easy to use for system management. It can manage up to 1000 DrayTek devices, depends on the capacity of sever. A step-by-step configuration wizard makes administrator deploy large numbers of devices to customer sites easily. The VigorView provides configuration management, deployment management, topology management, security management, fault management and back-end storage management.

DSL Extension

The VigorAccess series are able to provide multiple users to share a single high speed DSL line. The application is suitable on corporate, mall, building, or campus. By combining with router, the VigorAccess series provide load balance and load sharing application on DSL or fiber optical environment. Customer can subscribe only a few DSL or fiber optical lines for external/internal access and provide multiple DSL users simultaneously.

Community Application

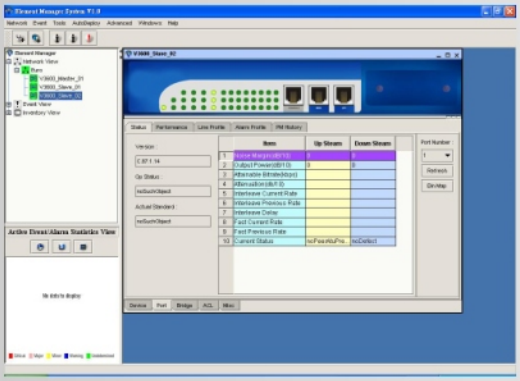
Many people live in the various high-density residential environment. The VigorAccess series can offer building complex, campus or community a complete network with rich services. These services include video on demand, remote monitor, building security, product browsing, and local LAN.
The advantages of the system architecture facilitate local content management and reduce the content access cost by minimizing traffic loading of the outgoing link.

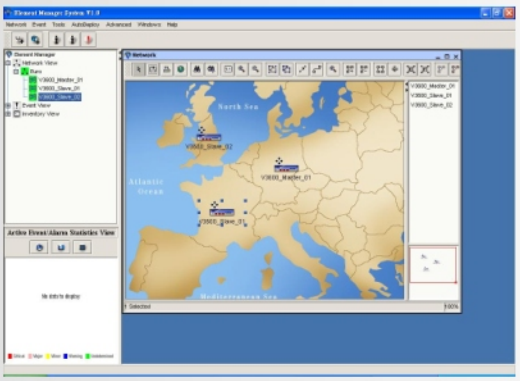
Triple-Play Deployment

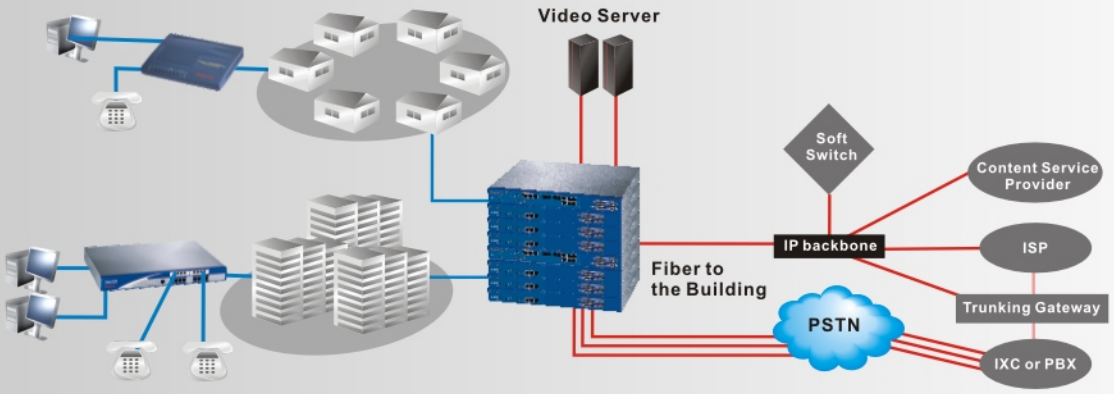
The triple-play applications will be more popular and the VigorAccess series support cost-effective delivery of data, voice and video services. The up to 24Mbps downstream, multiple PVCs, QoS, IGMP snooping and multicast capabilities can help you to offer the value-added services. Users can easily access Internet and use Stream TV, VoD and VoIP applications.

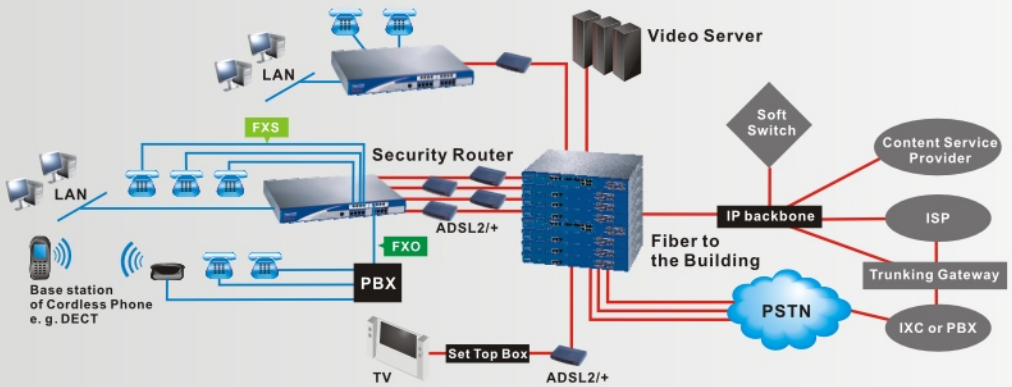
VigorAccess A24M

VigorAccess A24S









Technical Specification

A24M Master	A24S Salve
Weight 6.5 Kg	**Weight** 6 Kg
Power Consumption 70 W typical	**Power Consumption** 60 W typical
Network Interface Selective one or two optional interfaces Gigabit copper, Gigabit optical LX or SX with LC or SC connector	**Network Interface** Selective 2 Fast Ethernet ports or one Gigabit copper port
Cascade Interface Six 1000 BASE-T cascade interfaces	**Cascade Interface**
Alarm Relay Contact	

DSL Interface Options
24 ports with one 50-pin RJ-21 connector
Backward compatible to ITU-T G.992.1 G.dmt, ITU-T G.992.2 G.lite, ANSI T1.413 issue 2, ITU-T G.992.3 ADLS2, ITU-T G.992.5 ADSL2/+ and Long reach DSL
FSRA (Fast Seamless Rate Adaptation)
SELT (Single Ended Line Testing) for ADSL
DELT (Dual End Loop Testing) for ADSL2

POTS Interface
24-port POTS Splitter G.992.1 Annex E
POTS Subscriber Line Interface 50-pin RJ-21
Support 600ohm, 900ohm and other impedances on request

Console Interface
RS232 Console Port with RJ-25

LED
Power, Active, Critical/Major/Minor Alarm, DSL for link activity

Reliability
MTBF: 55,000 hours

Network Management
TFTP firmware upgrade utility via EMS
Telnet server for remote management
SNMP enabled for network management function

Dimensions (W/D/H)
440 x 280 x 45 mm

Power Requirement
90-264V AC or -42V～-56V DC

Command Line
Console or Telnet CLI for configuration or status monitor

Encapsulation Mode
RFC 2684 MPoA

ATM Feature
8 PVCs per subscriber line
End-to-end F5 OAM loopback
UNI 3.1/4.0 PVC

Bridge Feature
IEEE 802.1p CoS prioritization
IEEE 802.1Q VLAN support
IGMP Snooping and 150 multicast groups
802.1d STP
GARP/GVRP
Packet Filter and Classifier

Regulatory Safety Compliance
EMC
CE: EN550221-1 & EN50082-
Safety
EN60950

Environment
Operating Temperature : 0 to 55 ° C (32 to 131 ° F)
Storage Temperature : -10 to 85 ° C (14 to 185 ° F)
Relative Humidity : 10 to 90 %

DrayTek
www.draytek.com E-mail:info@draytek.com Tel:+886 3 597 2727 Fax:+886 3 597 2121
991-0000701-00