

- ADSL2/2+ High Speed Broadband Service
- Integrated Broadband DSL and voice data
- Small, Medium Scale NGN Network

ADSL2+IP DSLAM



The DAS-3324G ADSL2+IP DSLAM is suited to meet the increasing demand for high-speed Internet access and voice services. It uses the most advanced ADSL2+ technology to provide high-speed interactive applications over copper wire. This next generation network combines practical functionality of integrated services with the most cost effective architecture. The DAS-3324G ADSL2+IP DSLAM can provide rich content, DSL, POTS and VoIP services over a traditional copper wire infrastructure. These three types of services can be supported on NGN architecture simultaneously. DSL is used as the data service platform, and VoIP or traditional POTS technology serves as the basis of the voice service. Multimedia and local content-rich applications can also be easily implemented on this NGN architecture. The DAS-3324G ADSL2+IP DSLAM can be easily configured by EMS system, which covers topology, configuration, security, alarm management and backup/restore functions.

Seamless Rate Adaptation (SRA)

The SRA is an online configuration mechanism specified in ITU-T Rec. G.992.5. By using SRA, the downstream net data rates during show time will be automatically increased or decreased according to the line condition.

QoS Guaranteed

QoS ensures quality voice calls by prioritizing and assigning telephone traffic to a service flow, which is handled by ToS control and TCP/IP throttling. IP DSLAM implements the IP packet classification function to support priority data flow to guarantee the quality of service.

Broadband Access for Building Complex, Community and Campus

For multi-tenant unit (MTU) buildings such as hotels, and other infrastructures in community and commercial districts, the DAS-3324G ADSL2+IP DSLAM provides cost-effective, flexible and easy deployment of Internet access.

No New Wiring Required

It is costly and difficult to install wiring inside buildings. Through current telephone lines, the DAS-3324G ADSL2+IP DSLAM can be deployed for service on existing POTS wiring closets. No new wiring is required, making deployment easy and hassle-free.



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Technical Specifications

Uplink Interface

- 1x RJ-45 IEEE802.3ab 1000 BASE-T

Cascade

- 24-port 50-pin RJ-21 Champ connector POTS
- 24-port 50-pin RJ-21 Champ connector Console Port
- 1x RJ-45

DSL

- Backward compatible with ITU-T G.992.1, G.dmt, ITU-T G.992.2 G.lite, ANSI T1.413 issue 2, ITU-T G.992.3 ADSL2, ITUT-T G.992.5 ADSL2+
- Upstream 3M Annex M and Long reach DSL for Annex L of G.992.3
- Power management defined on G.992.3 and G.992.5
- SELT (Single Ended Line Testing) for ADSL
- DELT (Dual End Loop Testing) for ADSL2
- Fast Seamless Rate Adaptation (Fast SRA)
- G.hs
- Dying gasp

Indicator

- Power, Active, Critical/Major/Minor Alarm, DSL for link Activity
- Power, Active, Critical/Major/Minor Alarm, DSL for link Activity Encapsulation Mode
- RFC 2684 MPoA LLA/VCMUX
- PPPoA to PPPoE Conversion

ATM Feature

- 8 PVCs per subscriber line
- F5 end-to-end and segment to segment OAM loopback in I.610
- UNI 3.1/4.0 PVC
- VPI (0-255), VCI (0-65535)
- Provide Incoming and Outgoing rate limit per PVC

Bridge Feature

- IEEE802.1p CoS Prioritization
- IEEE802.1Q VLAN support
- IGMP Snooping and 256 multicast groups
- 802.1d STP
- GARP/ GVRP
- MAC, Packet Filter and Classifier
- 4,000 MAC addresses
- Support ICMP request from VigorCMS or management tool
- DHCP Option 82
- Port Isolation
- VPN pass-through
- PPPoE packet forwarding

VLAN

- Supports 4094, concurrent 512 VLAN ID
- IEEE802.1Q tagged based VLAN
- VLAN ID mapping to PVC
- GVRP

QoS

- IEEE802.1p
- 4 priority queues for multimedia applications
- Configurable priority mapping for PVC and IEEE802.1p
- Strict priority
- Probabilistic priority
- Customized priority

Multicast Feature

- IGMP snooping v1, v2 defined on RFC2236
- 256 multicast groups

Management

- Web-based GUI
- Windows-based user interface configuration
- In-band or Out-of-band
- SNMP v1.0 & v2c
- SNMP MIB for RFC1213, Ethernet, RFC2662, RFC3440 and
- Proprietary MIBs
- Standard SNMP trap report to VigorCMS or NMS
- TFTP firmware upgrade utility via VigorCMS
- Telnet server for remote management
- SNMP enabled for network management function
- Console or Telnet CLI for configuration or status monitor

MTBF

- 55,000 hours

Power

- AC 90 ~ 260 VAC, DC -42V ~ -60V

Power Consumption

- 600 Watt, 75max

Dimensions (L x W x H)

- 440 x 280 x 45 mm
(17.32 x 11.02 x 1.77 inches)

Weight

- 6.0 kg

Operation temperature

- -10° to 65°C (50°F to 149°F)

Storage temperature

- -10° to 85°C (50°F to 185°F)

Operating Humidity

- 10% to 95% (non-condensing)

Storage Humidity

- 5% to 95% (non-condensing)

Certifications

- EN550221 class A
- EN300386 V1.3.2
- CE

Safety

- EN60950-1