

VigorTalk ATA-24 SH

24 port Analogue Terminal Adapter

DrayTek

www.draytek.com

- High quality VoIP calls and supplementary service
- Denial-of-Service (DoS) for securing against intruders/attackers
- Bandwidth-guarantee and high stability for VoIP
- Easy installation, configuration, and management through user-friendly WEB interface and VigorCMS
- EMS management (VigorCMS) for configuration management, topology management, security management, fault management and backup/restore storage management
- High availability provides a non-stop and reliability network access devices
- Short haul solution can reach 1Km (3.3Kf)

VigorTalk ATA-24 SH could provide large VoIP ports which is designed for ISP/SI. VigorTalk ATA-24 SH not only provides high quality call service, but also supports various VoIP protocol and supplementary services.

The VigorTalk ATA-24 SH combines guaranteed Bandwidth, remote management and administrative functions to meet increasing demands for higher reliability in today's broadband environment. The DoS(Denial of Service) function helps to detect and mitigate DoS attacks such as flooding-type and vulnerability attacks.

The SNMP-based of VigorCMS is the management software offers an easy way to remotely set up configurations, update system status, display alarm events, monitor system behaviors, perform diagnostics and download firmware and email attacking alert. For installation, status monitor, and management of VigorTalk ATA-24 SH of router, it will be easily accomplished through a built-in Web user interface or Telnet command line interface.

Firewall

- Denial of Service Prevention

VigorCMS

- On-line Device Status
- Firewall Configuration (DoS)
- VoIP Configuration
- Performance Monitoring
- Topology
- Log
- Alarm

VoIP

- FXS (24 Ports)
- MGCP/SIP/H248
- Codec G.711, 729A, 723.1, G.726
- VAD(Silence Suppression) & CNG
- G.168-2000 Echo Canceller, Jitter Buffer
- Packet Loss Concealment
- RFC2833- Out of Band DTMF
- Gain/Attenuation Setting
- Modem Support Rate Up V.92
- Caller ID Support: Bellcore, ETSI, DTMF-based(Nor-Europe)
- Line Polarity Reversal Generation
- Hunting Group
- Call Holding & Call Forwarding
- Call Transfer, Call Waiting, 3-way Conference
- Outbound Proxy
- NAT Traversal (STUN) (RFC 3489)
- Incoming Call Barring
- T.38 Fax Relay
- Single Codec Assignment
- Multiple SIP Proxies Registering

Interface

- MGN (1-port 10/100/1000 Base-TX switch)
- WAN
- Mirror Port
- Console
- VoIP (24-port 50-pin RJ-21 Champ Connector)

Network Features

- DHCP Client
- DDNS Client
- Port Mirroring
- WAN Port Backup



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Line Test and Diagnostic Functions

- Metallic Loop Test
 - AC Voltage
 - AC Current
 - Resistance
 - Capacitance
- Line Card Test
 - Normal Battery
 - Loop Current
- User Phone Test
 - Pulse Digit Receiving Test
 - Low Frequency Signal Level Test
 - High Frequency Signal Level Test
 - Low Frequency Test
 - High Frequency Test
 - DTMF Tone Dialing Digit Receiving Test

- Howler Tone Test
- Ringing Test

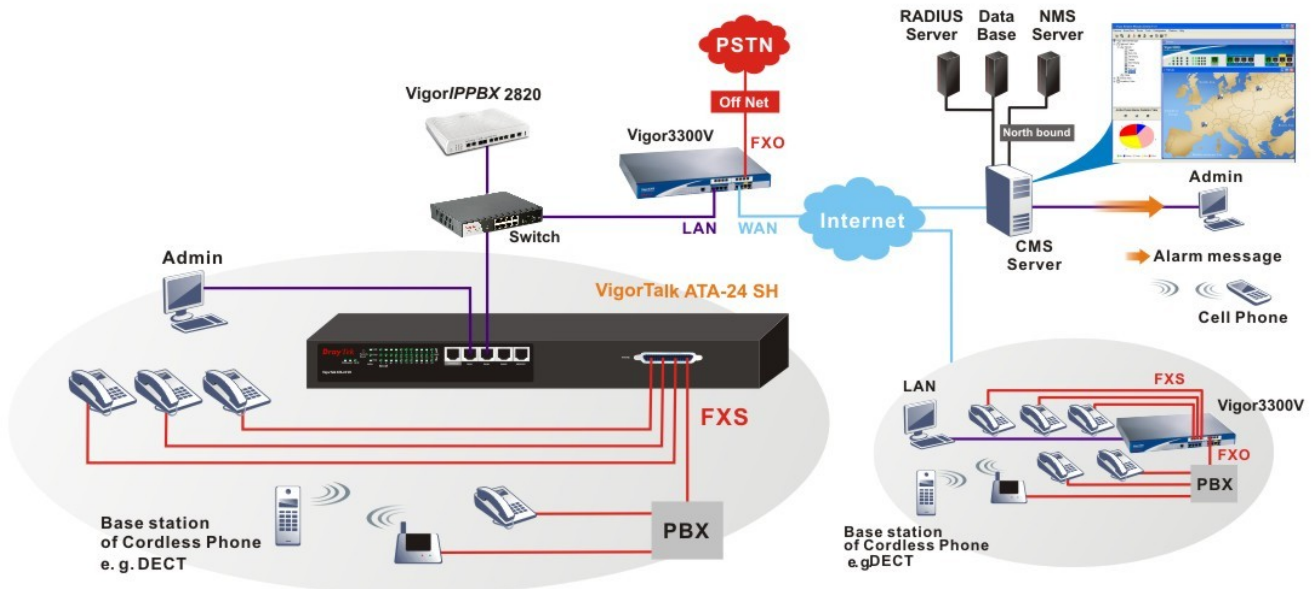
System Management

- Web User Interface
- Command Line Interface (Telnet, Console)
- Command Line Interface-SSH
- Remote Firmware Upgrade
- Syslog for Logging and Monitoring
- SNMP-Basic MIBs
- SNMP-VoIP
- SNMP-Firewall (DoS)
- SNMP-Alarm

High Availability

Branch Office Interconnection

VigorTalk ATA-24 SH can extend internal ports to reduce operational fee of the company or business. VigorTalk ATA-24 SH provides 24 FXS interfaces which can support VoIP service between branch offices by bundled with security router and IP-PBX server.



Security

The DoS function helps to detect and mitigate DoS attacks. These include flooding-type attacks and vulnerability attacks. Flooding-type attacks attempt to use up all your system's resources while vulnerability attacks try to paralyze the system by offending the vulnerabilities of the protocol or operation system.

