VigorTalk ATA-24

24 port Analogue Terminal Adapter

DrayTek

- 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

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ATA 24 is a VoIP Gateway and it provides large VoIP ports which is designed for ISP/SI. ATA 24 not only provides high quality call service, but also supports various VoIP protocal and supplementary services.

The VigorTalk ATA-24 series combine 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 vnlnerability 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 series of routers, it will be easily accomplished through a built-in Web user interface or Telnet command line interface.

Interface

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

Network Features

- DHCP Client
- DDNS Client
- PPPoE/PPTP*
- Port Mirroring
- WAN Port Redundancy*

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
- Hot Line to Internet/PBX/PSTN
- Multiple SIP Proxies Registering

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Line Test and Diagnostic Functions

- Metallic Loop Test
  - AC Voltage
  - AC Current
  - DC Voltage
  - DC Current
  - Resistance
  - Capacitance
- Line Card Test
  - Normal Battery
  - Loop Current
  - Dial Tone Testing
  - Dial Digit Testing
  - Ring Voltage Testing
- 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*

*Future release

Branch Office Interconnection

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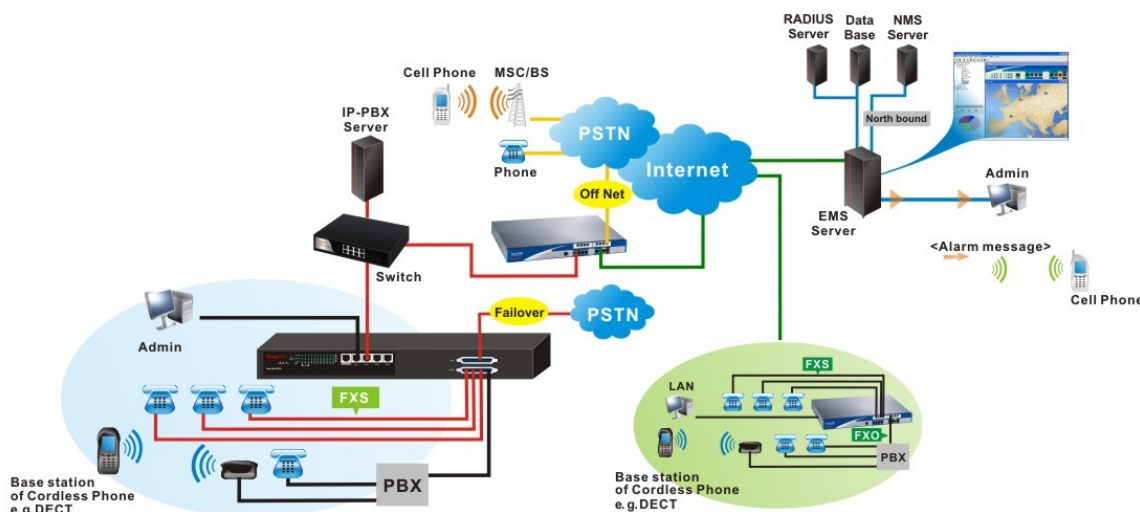
Security

The DoS function helps to detect and mitigate DoS attacks. These include flooding-type attacks and vulnerability attacks. Flooding-type attacks attemp 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.

CE FC