VPN1000 Series Intelligent Security Gateway

DPtech

Overview

A professional security gateway product designed by DPtech for WAN application scenarios, VPN1000 Intelligent Security Gateway supports national encryption algorithms by incorporating multiple security VPN technologies such as IPSec, SSL, L2TP and GRE, and enables unified secure access for branch offices and mobile workers to ensure internal secure access to the Internet. With security policies based on specific user and application, it can be used as security gateway for headquarters and branch offices, providing a variety of security functions including attack protection, user authentication, behavior auditing, bandwidth management and link load balancing. Moreover, it performs centralized management, unified configuration and integration with AC and PoE, making it possible to expand 3G/4G wireless modules. As a result, it is capable of simplifying networking effectively and bringing down the costs of operation and maintenance.

Product Features

- **Unified Access and Multi-Active Tunnels**

  With IPSec VPN and SSL VPN simultaneously enabled, it provides unified access for branch offices and mobile workers. Built-in hardware encryption chip is compatible with mainstream commercial and national encryption algorithms. Service load sharing is available among multiple links and centers. It also supports multi-active tunnels to ensure business continuity.

- **Security Compliance Provides Optimized Experience**

  By performing unified authentication across the entire network and online behavior auditing, it meets the requirements for security compliance in accordance with Provisions on Technical Measures for Internet Security Protection (Order No. 82 of the Ministry of Public Security), the Regulations on Internet Security Supervision and Inspection by Public Security Organs (Order No. 151 of the Ministry of Public Security), and the Regulations on network security Multi-level Protection Scheme. It supports FW/AV/IPS/DDoS to achieve comprehensive security protection at layers 2-7. Furthermore, granular traffic control and link load balancing are provided with an aim to optimize user experience of accessing Internet .

- **Plug and Play Supports Remote Operation and Maintenance**

  Branch devices automatically join the centralized control platform through the routing wizard mode to achieve fast connection. Functions such as remote distribution of configuration policies, real-time monitoring of equipment status, and automatic repair of fault conditions allow remote operation and maintenance without professional personnel.

- **Unified User Authentication**

  In addition to local and centralized authentication, it supports multi-dimensional authentication methods based on Portal, SMS, WeChat and APP. Policies can be binded to user's account, which will be used for login from both the headquarters and the branch offices to realize network roaming

of the policies.

- **Simplified networking makes the best of your investments**

    It provides high-density interfaces and POE power supply as well as wireless controllers. Remote configuration of downlink switches and APs achieves integrated wired and wireless management, helping users make the best of their investments.

- **Unknown Threat Alert**

    Built-in behavior identification module detects any abnormal behaviors of users to minimize network anomalies. Terminal behavior models are built to assist in recognition of virus transmission behaviors and refrain from virus spreading.

Product Series

| VPN1000-MS | VPN1000-ME | VPN1000-GC | VPN1000-GS | VPN1000-GS-E | VPN1000-GM |
| VPN1000-GA | VPN1000-TS | VPN1000-TM-X | SJJ系列 | VPN1000-TA-X | SSLVPN-Blade-AI |

Specifications

Product Functions	Function Descriptions
Data encryption	It supports multiple VPN technologies such as IPSec, SSL, L2TP and GRE. Built-in hardware encryption chip is compatible with national encryption algorithms. *
All-round Security Protection	Capable of in-depth protection at the application layer, and embedded with a filtering and control engine at the application layer, it provides IPS, Antivirus, traffic management and other functions. With a professional signature library subject to real-time upgrades, it allows threat prevention and protection against intranet virus transmission, botnets, Trojan horse and others.
Unified Authentication	In addition to local and centralized authentication, it supports multi-dimensional authentication methods based on Portal, SMS, WeChat and APP. Policies can be binded to user's account, which will be used for login from both the headquarters and the branch offices to realize network roaming of the policies.
Behavior Auditing	It can maintain records on instant messaging, emails and forum posts.

Link Load Balancing	Link load balancing improve bandwidth utilization of multi-link resources.
High Reliability	Double-active deployments are supported to achieve high reliability in a true sense.
Version Management	Remote policy distribution from the headquarters to branches is allowed to ensure maintenance and version update in time.
Simplified Networking	It provides high-density interfaces, POE power supply, 3G/4G connection as well as wireless controllers. *****
Guaranteed Bandwidth	VPN bandwidth is guaranteed to enable bandwidth reservation for VPN user groups.
Internet Behavior Management	Thanks to professional application protocol libraries and URL libraries, it can accurately identify more than 5,000 protocols, including mainstream applications and websites. Therefore, it offers Internet behavior management at granular level and guarantees the bandwidth of key services.
High Performance	The VPN1000, built upon a high-performance architecture platform independently developed by DPtech, offers higher processing efficiency over traditional VPN equipment. With a large bandwidth and high concurrency, it provides users with stable and efficient business processing capabilities.
User Permission Setup	Users are assigned with different management permissions based on customized division and classification.