

DYXnet SD-WAN

Streamlining WAN's Operation and Management while Lowering IT Costs

As enterprises' adoption of cloud services and cloud computing has been on the rise, private and public cloud applications, such as SaaS and IaaS collaborative applications, increase the volume of traffic significantly, coupled with the growth in the number of branches and remote. It is difficult for enterprises to estimate the costs of surging bandwidth demand and the fixed expenditures of equipment deployment, management and maintenance of each site.

DYXnet SD-WAN (Software-Define Wide Area Network) integrates the internet, MPLS and other private networks into a hybrid wide-area connection, which maximises bandwidth usage and transmission speed through real-time dynamic multi-path optimisation and app traffic steering technologies, ensuring enterprises can enjoy stable and fast data transmission and cloud access. The solution streamlines the operation and management of traditional WAN with visibility and centralised control, increasing network agility and resilience while reducing total IT costs.

Enhance Business Agility by Delivering Reliable Branch Access to Cloud Services



Cloud-native by design,
ready for multi-cloud



Simplified cloud
network management



Assured application
performance



Seamless SASE
integration

Key Features

SD-WAN Orchestrator

Available as a web-based user interface, where the IT team can real-time monitor the status of each site, performing remote diagnostics and policy management. The platform also provides statistical data such as traffic and bandwidth analysis by usage or application.

Dynamic Multi-Path Optimization (DMPO)

Maximise bandwidth usage with intelligent path selection and dynamic app steering. Real-time path monitoring and error correction ensure low latency for business-critical application traffic.

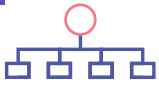
Deep Application Recognition (DAR)

Perform real-time application traffic steering through deep packet inspection that recognises nearly 4,000 applications, ensuring application performance. Customisation is also allowed.

Edge Firewall

A custom firewall that allows users centrally revise firewall rules of each endpoint without installing hardware firewalls. Additional network protection solutions such as DYXnet SASE, CloudShield and EdgeShield can be used to enhance the security level.

Benefit Highlights



Simplify Network Operation and Management

The centralised management portal provides visibility, allowing users to monitor the status of the entire network (e.g., traffic and application types), perform remote diagnosis in real time, and generate usage statistics.



Maximise Bandwidth Utilisation

The bandwidth utilisation rate is maximised by load balancing and dynamic multi-path optimisation. While operating in "active-active" mode, the solution delivers higher availability than the traditional "active-standby" mode.



Assure Application Performance

Continuous monitor path quality and prioritise traffic. The dynamic multi-path optimisation mechanism can recognise each data packet and automatically steer the application to the best exit.



Rapid Deployment

Zero-touch deployment. Provisioning is simple and can be accomplished in minutes by non-technical staff. The SD-WAN orchestrator can remotely handle activation, configuration, ongoing operation, and management.



Enhance Cloud Network Security

All private network virtual transmission channels are encrypted with the highest level of AES-256 to prevent data leakage. In addition, the solution can be seamlessly integrated with DYXnet SASE, EdgeShield and CloudShield to build complete protection on the cloud network security.



Reduce Total IT Costs

The costs of purchasing equipment, operation and management are reduced by simplifying WAN operations. Intelligent traffic steering maximises bandwidth usage, enabling enterprises to enjoy network quality and stability comparable to MPLS at a lower cost.

How it works

Built on DYXnet's robust MPLS backbone, DYXnet SD-WAN leverages dynamic multi-path optimisation technology to establish a virtual transmission through a private network and performs deployment, configuration, monitoring and management through a centralised platform, streamlining the traditional infrastructure.

