

# E-Connect

## Data Sheet



## Introduction

As enterprises gradually move towards informatization, we are seeing significantly increasing demands for real-time collaboration based on Internet and cloud services. As a result, businesses require network services of a better quality. A professional dedicated line will effectively improve business efficiency and promote enterprise development. In the past, most companies would use traditional MPLS dedicated lines or a self-built point-to-point VPN network to enhance their network quality. However, these traditional solutions have the following shortcomings:

For traditional MPLS dedicated lines, long deployment time prevents enterprises to implement acceleration on core business in time, and high costs and complicated network architecture discourages small companies with less investment and human resources.

For the point-to-point VPN network, no quality-guaranteed service may bring Internet jitter and package loss to critical business, besides, end users need professional knowledge on VPN to solve network issues from cumbersome management mechanism.

From the perspective of business experience and limited investment, enterprises require a more cost-effective and service-stable solution.

## Access Acceleration

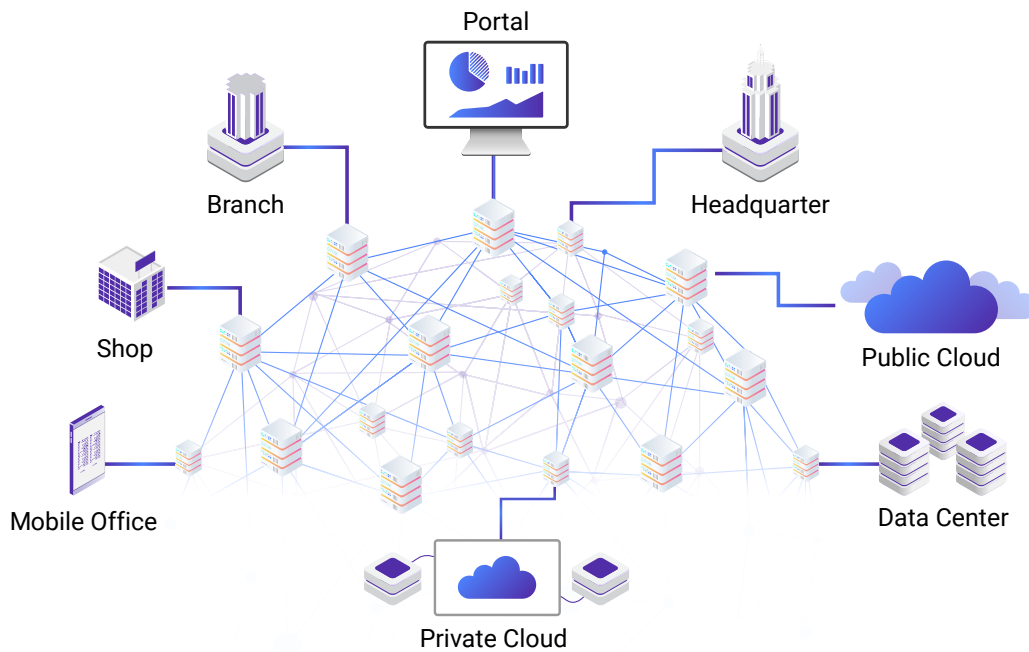
E-Connect is an integrated SD-WAN solution, which provides a flexible, efficient, stable and full-mesh dedicated line service to enable fast delivery in enterprise-level connections. It provides a one-stop, efficient solution to



handle the mutual access and interconnection between enterprises and cloud platforms, data centers, and branch offices.

With global dynamic accelerated network and cutting-edge transmission acceleration technologies, the efficiency of transmission and access across borders/regions a greatly enhanced.

## How It Works



ACCA provides customers with public network transmission acceleration and operation data analysis services, and achieves network acceleration by locally deploying software clients. For the transmission and access that need to be accelerated, traffic will be forwarded to the CDNetworks global dynamic acceleration platform.

The CDNetworks cloud platform provides hot data analysis service, which singles out frequently-accessed hot resources. Besides, the web management platform collects and analyzes the traffic and popular visits of end users, and autonomously manages the services.

## Key Features and Benefits

Feature	Description	Benefit
<b>Protocol optimization</b>	CDNetworks independently develops the private high-speed transmission protocol based on TCP/UDP, enabling quick start-up and initiative congestion control.	Enhance the efficiency of data transmission.



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<b>Intelligent routing</b>	Implement AI analytic technology to intelligently detect latency and packet loss ratio across the whole platform. Select the fastest and most stable route for users based on performance between PoPs.	Enable rapid data delivery via the optimal route.
<b>Routing failover</b>	Provide hot standby access to E-Connect. When the primary line fails, the standby line will automatically take over without user perception.	Guarantee the reliability and high efficiency of data transmission.
<b>Critical business guarantee</b>	Prioritize services and ensure the quality of high-priority services by QoS policies.	Avoid quality issues caused by bandwidth preemption.
<b>Site availability guarantee</b>	Implement dual-CPE at the enterprise site. If the primary CPE fails, the hot standby CPE will automatically take over without user perception.	Ensure the long-term stability and availability of services.
<b>Tunnel encryption</b>	Traffic accelerated by E-Connect is encrypted during transmission. Encryption methods such as IPsec, AES256, IKEV2, and PKI are supported.	Achieve rigorous security protection during data transmission.
<b>CPE access control</b>	E-Connect system controls CPE access based on elements such as IP address, port number and authentication information.	Effectively prevent illegitimate CPE from accessing the system.
<b>ACL control</b>	E-Connect CPE supports basic/advanced ACL rules. It uses self-developed DPI technology to identify packets based on multiple elements such as quintuples, implements ACL policies, and proactively intercepts packets with specific patterns.	Proactively identify and avoid malicious packets to protect site security.



# About CDNetworks

CDNetworks is a global content delivery network (CDN) with fully integrated Cloud Security DDoS protection and web application firewall. Our mission is to transform the Internet into a secure, reliable, scalable, and high performing Application Delivery Network. CDNetworks accelerates more than 40,000 websites and cloud services over a network of 1500+ global PoPs in established and emerging markets including China and Russia. We have been serving enterprise customers for 15 years across industries such as gaming, finance, and ecommerce, high tech, manufacturing, and media. CDNetworks offices are located in the U.S., UK, South Korea, China, Japan, and Singapore. For more information, please visit: [www.cdnetworks.com](http://www.cdnetworks.com).