

Aryaka Global Connectivity

Datasheet

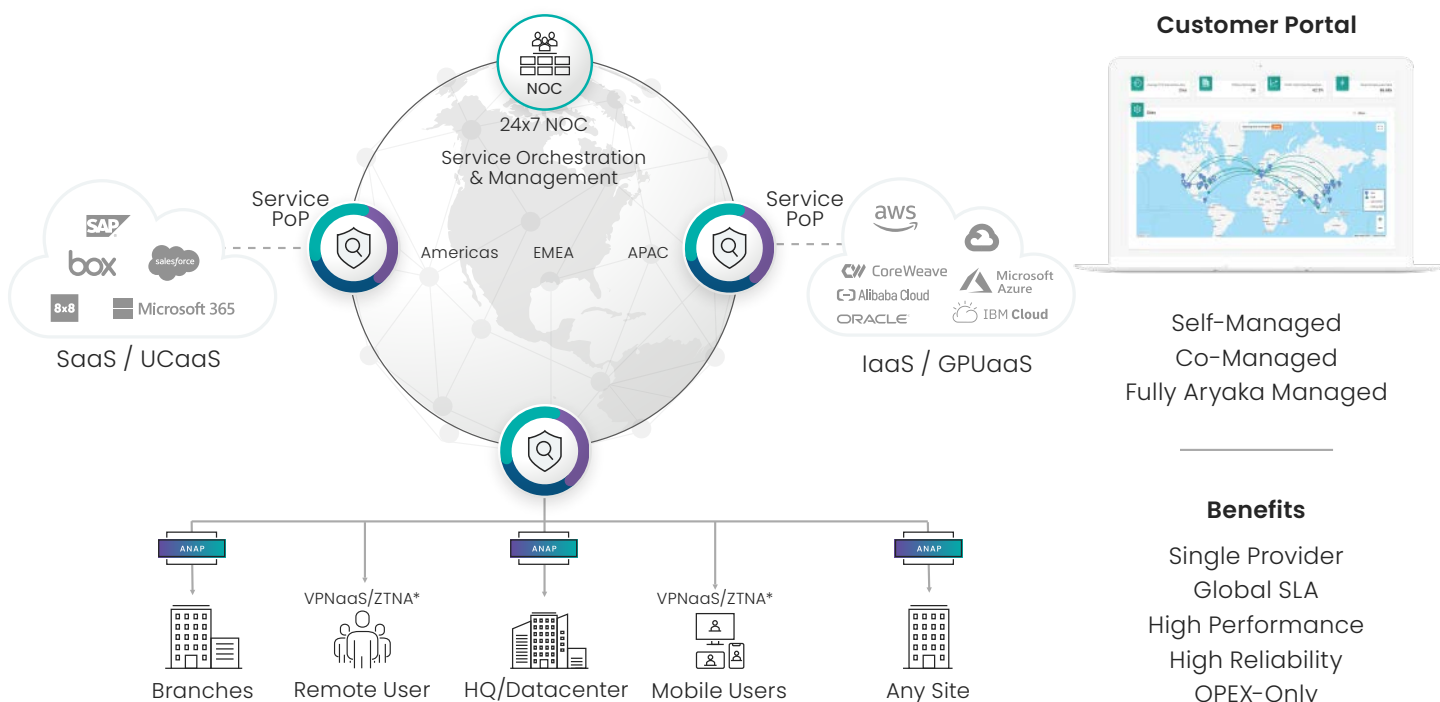
Overview

Aryaka Global Connectivity is based on a private core network delivering software-defined wide-area networking with zero-trust principles - the Aryaka Zero Trust WAN. It is designed to meet distributed enterprises' evolving needs by providing secure, reliable, and high-performance global connectivity. With a global private network interconnected in a mesh service fabric of over 40 Points of Presence (PoPs) across the globe, Aryaka ensures seamless connectivity for sites, users, multi-cloud, and consistent application performance for enterprises worldwide.

Aryaka's private global network is a closed network in which data is transported through enterprise-grade encrypted tunnels. These tunnels use industry-standard IPsec technology, with traffic flowing in or out of Aryaka PoPs secured by an IPsec tunnel. A dedicated tunnel per customer on the network's core provides traffic segregation. Aryaka operates its own 24/7 NOC (Network Operations Center) to manage, orchestrate, and monitor all traffic and provide support from Aryaka-certified support experts.

Global connectivity is part of Aryaka's Unified SASE as a Service offering. As the name implies, it is delivered as a service at a global scale and has redundancy built into several layers. This ensures quick failover and increases network uptime. Additional integrated technologies enable the Aryaka network to withstand failures and other network events, including packet loss, congestion, and jitter, ensuring reliable connectivity. Comprehensive Service Level Agreements back Aryaka's global connectivity service.

Customers have insights and control for self-managed, co-managed, or Aryaka-managed via the web-based customer portal called MyAryaka.



Core Capabilities

Aryaka Global Private Network

- **Global Reach:** A private core network interconnecting 40+ PoPs strategically located across six continents for low latency and high reliability
- **Built-In Redundancy:** Resilient architecture with automatic failovers between PoPs to ensure near-zero downtime
- **Cloud Acceleration:** Optimized routes for connecting to cloud providers and SaaS applications
- **Encrypted Traffic:** All traffic is encrypted with enterprise-grade security protocols

Integrated WAN Optimization

- **Compression and Deduplication:** Reduces bandwidth usage and improves application response times
- **TCP Optimization:** Enhances throughput for latency-sensitive and chatty protocols
- **Caching:** Improves performance for repetitive data transfers
- **Application Layer Visibility:** Deep packet inspection to identify and prioritize critical applications

Application Performance Optimization

- **Application-Aware Routing:** Ensures priority handling for mission-critical applications while maintaining lower latency and jitter
- **Deterministic Performance:** End-to-end management of both underlay and overlay ensures consistent performance across regions
- **SaaS Optimization:** Preconfigured tunnels and optimized paths for popular SaaS services

Flexible Connectivity Options

- **Multi-Path Traffic Option:** Seamlessly integrates internet and MPLS links with Aryaka's private core network for flexibility and cost efficiency
- **Site-to-Cloud Connectivity:** Direct connectivity from branches to cloud services via Aryaka's nearest PoPs

Managed Service Options

- **Flexible Management Options:** Choice of Self-/Co-/Aryaka-managed service delivery
- **Aryaka Managed Service:** Aryaka provides a fully managed service including design deployment, monitoring, and troubleshooting
- **24/7 NOC Support:** Global Network Operations Center proactively monitors performance and resolves issues
- **Real-Time Analytics:** A user-friendly dashboard that provides visibility into network performance, application usage, and bandwidth consumption

Benefits

Simplified Operations

- Single vendor for global WAN connectivity, cloud, and application optimization
- Eliminates the need for dealing with multiple ISP or MPLS providers

High Performance and Reliability

- Performance boosts for SaaS, GenAI, cloud-based, and on-prem applications
- Consistent low latency and high reliability for distributed enterprises
- Comprehensive Service Level Agreements for deterministic performance metrics

Lower Total Cost of Ownership (TCO)

- Significant reduction in total cost of ownership (TCO) with OPEX-only model
- Predictable costs with integrated services and technologies

Agility and Rapid Deployment

- As-a-service agility and flexibility for deployments within days
- Zero-touch provisioning simplifies rollouts of new sites
- Quick integration of networks after mergers and acquisitions

Global Coverage and Reach

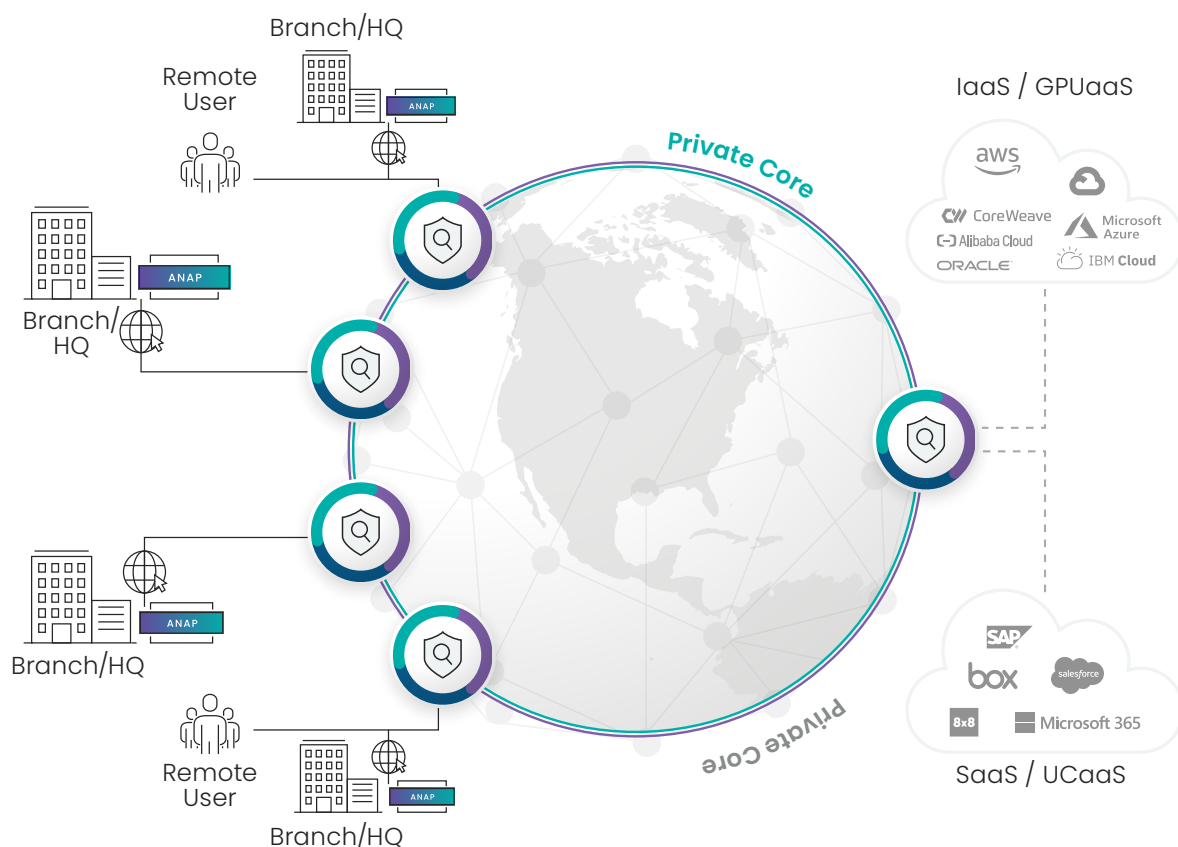
- Ensures connectivity in remote regions with the same reliability and performance as in metro areas
- Secure and optimized connectivity for remote workers worldwide

Specifications

Feature	Details
Global Physical PoPs	40+ in Business Metro Locations
Cloud Connectivity	All leading Public Cloud/SaaS Providers
Network Availability	99.999% Uptime SLA
Network Performance	Latency, Jitter, and Packet Loss Metrics
Security Protocols	AES-256 encryption, IPsec VPN
Management Dashboard	Real-time monitoring and analytics via a single portal

Aryaka Zero Trust WAN

Aryaka's Zero Trust WAN leverages the global dual private core network with a single-pass architecture, mesh service fabric, and integrated on-ramps to cloud and SaaS providers. A dedicated tunnel per customer on the network's core provides traffic segregation. Combined with Aryaka AppAssure and Deep Packet Inspection, Aryaka can treat every application according to the organization's users' requirements. With integrated WAN optimization, patented application acceleration features, application and link assurance technologies, proactive monitoring, and 24/7 managed service, it provides every application and user with an optimal network performance experience.



Aryaka Global Physical PoP Locations

Americas

Ashburn, VA, USA
 Atlanta, GA, USA
 Chicago, IL, USA
 Dallas, TX, USA
 Denver, CO, USA
 Los Angeles, CA, USA
 Miami, FL, USA
 Newark, NJ, USA
 San Jose, CA, USA
 Seattle, WA, USA
 Toronto, ON, Canada
 Sao Paulo, Brazil
 Santiago de Chile, Chile

EMEA

London, England
 Paris, France
 Frankfurt, Germany
 Dublin, Ireland
 Madrid, Spain
 Stockholm, Sweden
 Amsterdam, The Netherlands
 Tel Aviv, Israel
 Dubai, United Arab Emirates
 Johannesburg, South Africa

APAC

Sydney, Australia
 Beijing, China
 Hong Kong, China
 Shanghai, China
 Shenzhen, China
 Bengaluru, India
 Chennai, India
 Delhi, India
 Mumbai, India
 Tokyo, Japan
 Singapore, Singapore
 Seoul, South Korea
 Taipei, Taiwan
 Ho Chi Minh City, Vietnam

Licensing

Global Connectivity is part of Aryaka SD-WAN services which has two types of licenses to meet different deployment needs: site licenses and user licenses. Site licenses are used to enable Global Connectivity services at a specific location. User licenses are used to enable the services for remote users.

Security Service	Prerequisite Service Plan	Upgrade Options
Global Connectivity	Aryaka SD-WAN	Aryaka Unified SASE Aryaka Advanced Security

Aryaka SD-WAN Features



Secure SD-WAN



Global Connectivity



Multi-Cloud



WAN Optimization



AI> Perform



Secure Remote Access

Aryaka Unified SASE Features (Everything in Aryaka SD-WAN plus)



NGFW-SWG



IPS



Anti-Malware

Aryaka Advanced Security Features (Everything in Unified SASE plus)



CASB



DLP*

*Coming soon