

Control who connects, what they use, and what it earns.

Authenticate every user and device, enforce policy in real time, and charge accurately across multi-vendor networks. WinVibe delivers vendor-neutral access, policy, and charging built for carrier scale.

OVERVIEW

When growth outpaces control.

Every new subscriber, device, and service adds an access decision your network has to make correctly, in milliseconds. As networks grow across vendors and technologies, those decisions get spread across systems that do not share a subscriber view.

The consequences are commercial as well as technical. Unauthorized access creates security exposure. Sessions that are not tracked end to end create revenue leakage. Policy that cannot be applied consistently makes it impossible to launch differentiated services.

WinVibe's AAA platform centralizes authentication, authorization, accounting, policy, and charging on one vendor-neutral system. It interoperates across RADIUS, TACACS+, and Diameter, and scales with high-availability deployment. AI-assisted anomaly detection watches session behavior continuously, so fraud and credential misuse surface as they happen rather than at month-end reconciliation.

ARCHITECTURE

One platform. Four control functions.

Access Layer — Network Elements

BRAS, BNG, ASN-GW, WAC, WAG, PGW, Wi-Fi controllers, and enterprise access devices.

Protocol Layer — Multi-Protocol Interoperability

RADIUS, TACACS+, and Diameter with vendor-specific attribute handling and packet enrichment.

Control Plane — AAA / PCRF / OCS

Authentication via LDAP, RDBMS, PAP/CHAP, EAP, and parameter-based methods; authorization and access policy; session and identity management; policy control and charging.

Integration & Operations

Subscriber database, static and dynamic IP pool management, smart load balancing, N+1 / 1+1 high availability, analytics, reports, and open third-party interfaces.

WHY AAA / PCRF / OCS

CAPABILITY	WINVIBE AAA	EMBEDDED VENDOR	OPEN-SOURCE RADIUS	LEGACY IN-HOUSE
Protocol support	RADIUS, TACACS+, Diameter	Vendor-limited	RADIUS mainly	Fixed
Vendor neutrality	Full multi-vendor	Locked to OEM	Partial	Custom-coded
Session integrity	Real-time, zero leakage	Per device	Basic accounting	Batch reconciliation
Policy control	Granular, service level	Limited	Minimal	Hard-coded
Availability	N+1 / 1+1 with DB failover	Device-dependent	Self-engineered	Single point of failure
Scale	Carrier-grade	Per element	Mid-size	Limited

KEY FEATURES

Built for secure access at carrier scale.

Authentication, policy, session control, charging, and AI-assisted threat detection on one vendor-neutral platform — the foundation for secure, accountable network access.



Broad Authentication Methods

Supports LDAP, RDBMS, PAP/CHAP, EAP, and parameter-based authentication, so new access types onboard without new infrastructure.



Multi-Vendor Interoperability

Works across RADIUS, TACACS+, and Diameter with BRAS, BNG, ASN-GW, WAC, WAG, and PGW, protecting you from vendor lock-in.



Centralized Session & Identity

Maintains one real-time view of every session with zero leakage, closing the gap between usage and revenue.



Policy, Profiling & Provisioning

Applies granular rules to control access to services across networks, making differentiated tiers commercially practical.



High-Availability Deployment

N+1 and 1+1 deployment with subscriber-database failover and smart load balancing keeps access available under any single failure.



AI-Assisted Threat Detection

RADIUS packet enrichment, concurrent session control, and IP pool management are reinforced by AI-driven detection of abnormal session behavior.

INDUSTRIES WE SERVE

Telecom & Infrastructure

Energy & Utilities

Defence

Government & Public Sector

WHY WINVIBE

Access control expertise that goes beyond the platform.



Vendor-Neutral by Architecture

One access-control layer across every network element and OEM, so you standardize control without standardizing suppliers.



Built for Carrier Scale

Engineered for operator subscriber volumes with high availability and load balancing, not scaled up from an enterprise design.



Revenue Protection Built In

Real-time session management with zero leakage links what the network delivers to what the business bills.



Security and Commerce in One Platform

Access control, policy, and charging share one subscriber view, removing the reconciliation gap between systems.



Open Integration

Expandable third-party interfaces connect the platform to BSS, CRM, and provisioning systems on standard or custom interfaces.



Solution Lifecycle Expertise

From design and migration through operations and tuning, one experienced team supports the platform throughout its life.

Ready to bring access, policy, and charging under one platform?

Whether you are replacing embedded vendor AAA, consolidating access systems, or launching new service tiers, our experts are ready to understand your requirements and recommend the right solution.

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