K7 SECURITY

K7 AAA

Authentication, Authorisation, and Accounting for Enterprise-grade Wired and Wireless Networks

Public Network Access Presents Technical, Administrative, and Regulatory Challenges

Businesses that provide on-demand network access to a broad customer base struggle with user lifecycle management due to the large number of users, need for user- and location-based bandwidth prioritisation, difficulty in integrating networking products from multiple vendors, plan and payment management, and user scalability. Meeting regulatory requirements presents additional challenges due to the need to maintain appropriate records for compliance.

K7 AAA – Secure Network User Authentication and Management

K7 AAA (Authentication, Authorisation, and Accounting framework) provides scalable authentication and user management for enterprise-grade wired and wireless networks. Specially designed to meet the requirements of ISPs, hospitality providers, educational institutions, corporates, and other providers of public Wi-Fi, K7 AAA enables complete control over network access and includes detailed logs and reports to support regulatory compliance.

Benefits

- Works with Any Firewall/Access Point/Device Supporting Standard NAS Protocol
- Multiple ISP Support with Bandwidth Aggregation on Link Priority
- PMS Integration for Hotels
- AD/LDAP/Google Oauth/SAML based Login
- Social Network/Club Membership based Login
- Voucher/Coupon Coupled with SMS OTP Login
- Automatic Deletion of Users on Account Expiry
- Password Change on First Login
- Automatic Login on First Login
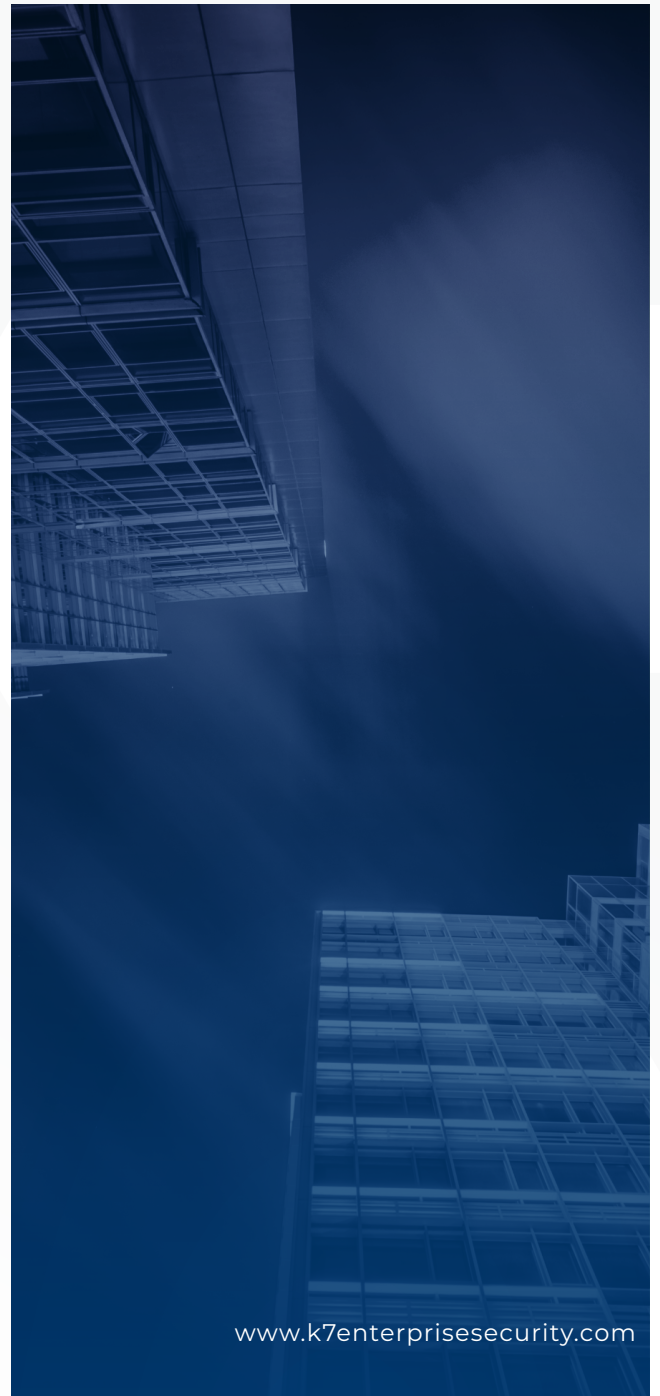
Postpaid Accounts

- Usage Plans
- User Management
- Time Frame
- Group Management
- Email Templates
- SMS Templates
- Message Templates
- IP Pools

Prepaid Accounts

- Usage Plans
- Vouchers
- Voucher Templates

Account Recharge

- Discount Coupon
- Smart Bytes
- Recharge Plans
- Coupon Bundles

User Management

- Auto MAC Binding (5 Devices/User)
- Department-based Authentication
- Hours of Service
- FUP
- 1:1 Priority Bandwidth

Scalability

- 5K User Scalability
- 2K Device Scalability

Customisation

- Captive Portal
- Status Window

Plugins

- LDAP/AD/RADIUS
- Self-registration
- External AAA/CA
- Email Settings
- SMS Gateway

Network Management

- SNMP
- Remote Syslog

Blacklist Management

- Device Type Blacklist
- LAN IP/MAC Blacklist
- WAN IP Blacklist

Alerts/Logs/Reports

- Email Settings
- Alerts
- Reports
- FTP Log Export
- API Integration
- Payment Gateway/OTP

Deployment Models

- On-premises
- Cloud

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