

DATA SHEET

HiveManager™ Local Cloud

Enterprise Access Network Management Offering Intuitive Configuration Workflows,
Real-Time & Historical Monitoring, and Simplified Troubleshooting



HiveManager™ Local Cloud

HiveManager Local Cloud is a robust and flexible network management system, built from the ground up to take full advantage of the SD-LAN and SD-WAN solution from Aerohive. Working in tandem with Aerohive's cutting-edge HiveOS, HiveManager Local Cloud leverages state-of-the-art virtualization technology. Benefit from unified, full-stack management of Wi-Fi, switching and routing, centralized monitoring and configuration, real-time and historical reporting, simplified troubleshooting, integrated RF planner tools and much more.

Summary

HiveManager Local Cloud is an on-premises version of HiveManager, typically deployed in the customer's private network. Built on the latest virtualization technology (including an Elasticsearch architecture), this Local Cloud can effectively manage thousands of network-connected devices (APs, switches & routers) in a single instance.

The on-premises flexibility of Local Cloud enables organizations to manage their entire access network, centrally, within the confines and supervision of a local premises. With an extensible architec-

ture that benefits from resource-driven scalability, this virtualized solution supports environments of all sizes with a platform built for the future, not just today.

The included suite of open APIs empowers developers to create 3rd party applications, bespoke user experiences and provide integration with existing systems including device onboarding, infrastructure management and more.

Key Features of HiveManager Local Cloud

Auto-Provisioning: With zero-touch deployment, automatically apply a configuration policy, upgrade software and more.

Dashboard: Intuitive, visual dashboard with contextual filters for a comprehensive overview of network assets, application and data usage as well as user activity.

Application Visibility and Control: Visibility and control of application usage on the network, for professional and recreational applications and network services.

Monitoring: Real-time and historical view of devices, clients, alarms and events with automated out-of-band alerting.

Simplified Deployment: Guided workflows for creating and deploying network policies, with optional advanced configuration.

Guest Access: Flexible onboarding and management options for visitor and BYOD devices including intuitive Captive Web Portals and PPSK.

Network Health: Real-time and historical view of client and device health with built-in remediation tools.

Deployment Scalability: Centrally manage up to 5,000 network connected devices including access points, switches, and routers.

Troubleshooting: Help-desk optimized interface to triage historical and real-time client problems with actionable data to reduce escalations and provide a better end-user experience.

Full-stack Management: Single pane-of-glass management and visibility of wired and wireless devices.

Multi-tenancy: Allows MSPs and large corporations to efficiently manage multiple customers or subsidiary accounts from one master account with VHM switching or Hierarchical Management (HHM).

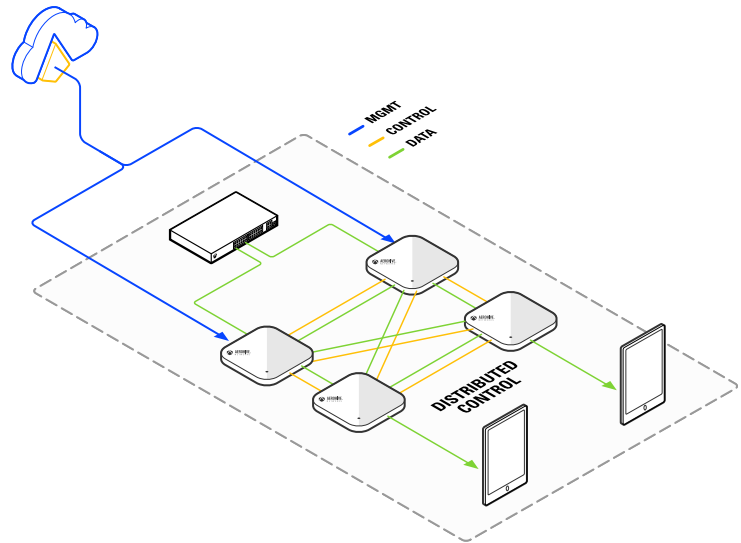
IoT Management: Securely connect IoT devices with AES encryption using Aerohive's unique Private Pre-Shared Key (PPSK).

Open APIs: A full suite of REST APIs for monitoring, identity, and configuration.

Distributed Control

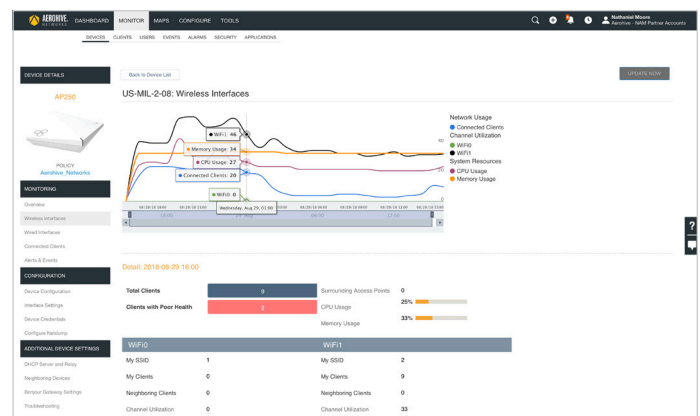
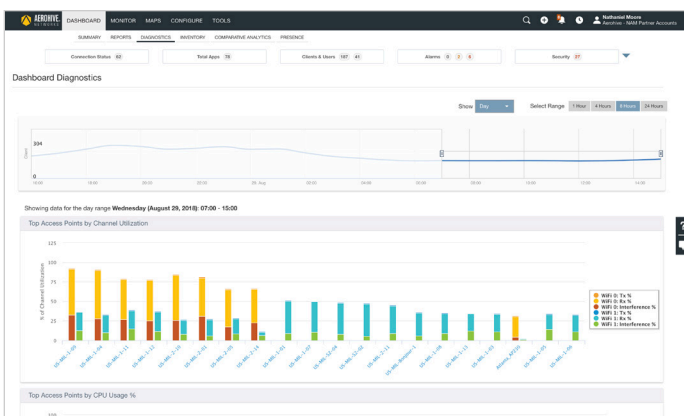
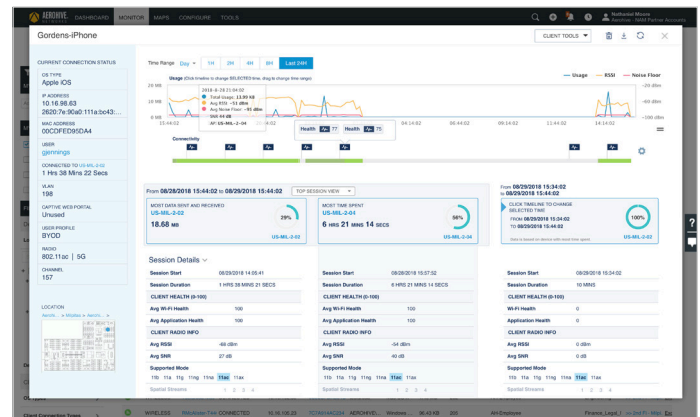
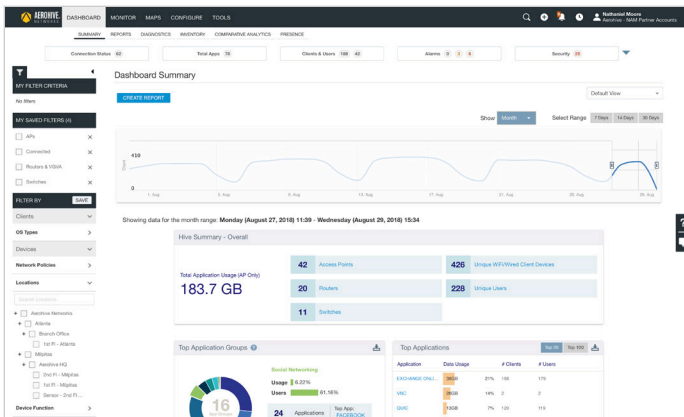
HiveManager is a Network Management System (NMS). It leverages Aerohive's unique distributed control architecture (built into HiveOS) and eliminates the needs for centralized network controllers. The control and data planes operate at the edge. With this **out-of-band control plane**, no control or data plane information traverses HiveManager.

As a result, network devices can operate even if communication to HiveManager is interrupted. This approach is essential to mission-critical environments and helps maintain optimal network performance.



Aerohive's unique distributed control architecture.

Intuitive Interface



Simplified Deployment

- Guided workflow for network policy deployment
- On-screen step-by-step guided configuration
- RF planner with map import and export
- Ability to swap simulated APs with real Aerohive APs on RF planner map
- Devices automatically connect to HiveManager for provisioning
- Devices auto-provision with network policy and firmware updates

Centralized Configuration

- Guest Access functionality
- Device templates for switches, routers and APs
- Aerohive device as RADIUS server or RADIUS proxy, and as DHCP server
- Centralized view of all configuration objects
- Ability to bulk edit device properties
- Ability to schedule firmware upgrade
- Command Line Interface (CLI) access to Aerohive devices
- Support for select Dell N-Series switches
- Active directory/LDAP
- IPv6 support
- Syslog and SNMP server configuration
- Auto-provisioning
- Configuration audit, backup, restore, import and export
- Support for Aerohive VPN gateway (VG-VA)
- Multi-tenant capability: supports multiple virtual organizations

Centralized Policy Management

- Device classification by location & time zone
- Customer application definition
- Client classification by location, OS type, MAC address
- Multiple user profiles for each SSID
- Time-based firewall and QoS policy
- Application, network and MAC layer firewall policy rules
- WIPS policy for rogue AP detection and mitigation

Security and Privacy

- Role-based access control
- Customer and network data is private and secure
- No customer data traverses Aerohive's network
- SSO for HiveManager administrators via SAML and RADIUS
- Optional multi-factor authentication with Google Authenticator for administrators

Security and Privacy (Continued)

- EU General Data Protection Regulation (GDPR): HiveManager supports features that can assist customers in responding to obligations resulting from GDPR, including:
 - Search for, download and delete personal data for specific users
 - Creation of reports to document the above actions

Dashboard

- Graphical widgets and status cards with drill-down capabilities
- Time-range slider on dashboard for historical view
- 360° views of Aerohive network policies, AP, client devices, users and apps
- Global search function by network policy, MAC address, serial number, user, hostname or application name
- 30-days of historic monitoring and reporting data
- Interactive Network Summary Report with easy sharing
- Savable contextual filters by location, SSID, policy, user, profile and client OS type

Troubleshooting

- Client 360° behavioral analysis; real-time and historical network performance monitoring and optimization
- Help-desk optimized interface with problem summary and suggested remedy
- Dedicated Helpdesk user role
- Real-time troubleshooting with probe messages and stage filters
- Historical troubleshooting with automatic issue detection
- Mark issue resolved or escalate issue with email notification
- Built-in Command Line Interface (CLI) and remote SSH
- RADIUS test
- AP technical data download
- VLAN probe tool for simplified troubleshooting of the wired network
- Optional packet capture analysis with partner solution (*CloudShark*)

Monitor

- WIPS history report
- Drill-down capability from client list to client 360° view
- Device list with rich utilities for advanced configuration and investigation
- Real-time client list with SNR, RSSI, data usage and connection status
- Savable and reusable filters shared across dashboard and monitor
- Alarm and event lists with historical and real-time data
- PCI DSS 3.2 compliant reporting
- Rogue AP and rogue client monitoring
- Real-time data for connection clients and users
- Google Maps integration and navigation with floorplan upload capability

Guest Access

- Onboarding and management of visitor and employee personal devices (BYOD)
- Provides multiple onboarding workflows via customizable Captive Web Portal
- Private PSK (PPSK), 802.1X (RADIUS) and PSK authentication
- Supports 3rd party and customized CVPs including HTML upload for added deployment flexibility

Supported Languages

- English, German, Spanish, French, Italian, Japanese, Korean, Portuguese, Chinese

Hardware Requirements per Host

For up to 500 devices:

- CPU: Xeon E3-1220 v5, 3.0GHz, 8MB cache
- 1 physical CPU
- 4 cores, 4 threads
- 24GB RAM
- Storage: 250GB (*local storage, SSD preferred, does not support SAN*).

For up to 5000* devices:

- CPU: Xeon E5-2620 v4, 2.1GHz, 20MB cache
- 1 physical CPU
- 8 cores, 16 threads
- 32GB RAM
- Storage: 250GB (*local storage, SSD preferred, does not support SAN*).

** HiveManager Local Cloud supports up to 5,000 network devices, based on available hardware resources. HiveManager Local Cloud can be deployed on industry-standard hardware with sufficient compute and storage capacity. The above specifications are meant only as a guide.*

- HiveManager Local Cloud is available as an OVA file.
- Please contact your Aerohive sales representative for guidance on hardware and software specifications.

HiveManager Local Cloud - SKUs

SKU	DESCRIPTION
AH-HMNG-SVA	HiveManager Local Cloud (single instance) delivered via download.
AH-NGCS-SL-1YR/3YR/5YR	HiveManager software subscription for 1 network device for 1, 3 or 5 years.

