Krome

Aerohive NETWORKS

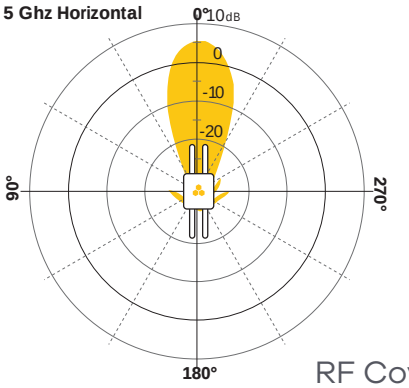
Aerohive AP1130 5GHz Directional Antenna

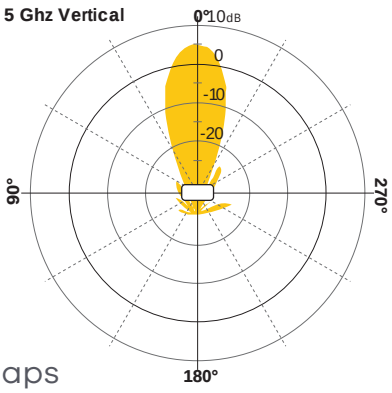
The AP1130 5GHz Directional Antenna is an outdoor single-band (5GHz) antenna with 18dBi gain.

The antenna is well suited for applications where a narrow beam 17 degree H-plane is most optimal. The typical application where mounting location can be in an outdoor environment with point-topoint range expansion requirement.

The antenna is ideally suited for long distance point-point applications such as secure bridging between buildings for short to mid-distance. The antenna provides a very small azimuth to enable longer range at higher-throughput.

When planning a network that incorporates wireless, varying facility sizes, construction materials, distance between transmission points and physical obstructions must be accounted for. Every WLAN deployment is unique and requires through site-survey and planning before deployment.





RF Coverage Maps

SKU	Description		
AP Accessories			
AH-ACC-1130-ANT-18	5GHz N-Plug outdoor 18dBI directional antenna for AP1130		
Electrical/RF Specifications			
Frequency Range (MHz)	5.150 GHz - 5.875 GHz	Type	High-gain, Directional Patch
Polarization Gain (dBi)	18	Max Power Output (W)	20
3dB beam width (	Horizontal: 17; Vertical: 17	Impedance	50 Ohms
Mechanical Specifications			
IP Rating	IP67	Operating Temp (C)	-40 to 60
Installation and Mounting	Pole Mount, Mounting Bracket Included	Flammability	UL94HB
Connector Type	N-Female (back of antenna)	Salt-Fog Rating	IEC 68-2-11
Height/Width/Depth (mm)	261x261x35	Vibration Rating	IEC 60721-3-4
Weight	1.15 Kg/2.54 lbs.		

Krome Wireless Deployment Planning Service

We can deliver you a Wireless solution that caters for your individual business, and specific site requirements.

To create a WLAN solution that works effectively, there are several considerations that have to be made, the multiple client device and application types that are required to perform over the wireless infrastructure is just the start, in addition to that you need to add the speed and complexity of 802.11n, the variety of potentially high demanding applications or high-density environments and the security risks, with so many factors to consider tricky deployment scenarios can easily arise, causing unexpected challenges to the success of your Wireless deployment.

Krome offer a comprehensive wireless deployment planning service to fully assess and effectively plan the solution prior to installation.

Assessing Your Requirements

To get started with your WLAN installation, Krome will examine the requirements of your implementation, including departmental, individual user, site, and application requirements, gaining a basic overview of what your Wireless network will need to support. We will identify mission critical applications, paying special attention to those that generate high levels of traffic and those requiring deterministic behavior. Once we have identified such applications we can then evaluate the expected service levels.

Effective Planning

Whether you are upgrading from an existing WLAN or planning a completely new greenfields site Krome can fully evaluate and plan the deployment by using a WLAN planning tool and building floor plans. The planning tool is designed to help scope and plan a WiFi Deployment to determine the number of APs required to achieve an intended coverage, AP placement and data rates. This tool calculates the loss in signal strength as it passes through open air and various materials to show predicted coverage.

Upgrading from Existing Wi-Fi

If you are upgrading your existing WLAN, you already have plenty of data about how your current network is performing. Krome will initially perform a quick site survey with the existing access points in place, evaluating the current coverage, capacity, and type of APs (access points). Using the survey information allows us to make informed decisions about your new implementation. Krome will provide a report on how to achieve optimal results and performance with your new deployment, along with the quickest and most effective way to migrate systems.

New WLAN Deployment

In a new, or greenfield, WLAN deployment; when you do not have the benefit of an existing network for testing and analysis, the planning stage is more complex. Determining the scope of your WLAN deployment will have a major impact on capacity and coverage. Krome will evaluate users, applications, interference's, devices and performance requirements, along with building plans and site information. Site plans and blueprints are hugely beneficial for planning as we are able to evaluate the building characteristics; location of elevators, load-bearing walls and material of walls. With this information loaded into the planning tool combined with our analysis of your service requirements we are able to comprehensively plan for your deployment.

Deploying with Confidence

Moving a large enterprise, or even a small one, to a WLAN for the very first time need not be daunting; with proper planning in place, you can prevent poor performance and eliminate unforeseen solution costs. By engaging with highly experienced Wireless deployment partner Krome Technologies to effectively assess and plan your deployment you can be assured that your WLAN solution is a success.

Find Out More

If you're interested in learning more about Aerohive Networks WLAN solutions or our deployment planning service please do get in touch with one of our Business Managers, we'd love to share our experiences, and help you to plan and deliver your Aerohive WLAN solution.

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