

WHY ALTA LABS?



[A]<sup>®</sup>  
ALTA  
LABS

YOUR NETWORK, **ELEVATED**

## WHY ALTA LABS?

Alta Labs is redefining how enterprise, business, and residential users connect to the world around them. We develop innovative technology that challenges the norm, provides unprecedented reliability, security, scalability, and is super easy to use.

Alta Labs may be a new player in the networking space, but our company is not just some random startup. Alta Labs is a division of Soundvision Technologies, a global manufacturer of high-end audio and electronic equipment. Founded in 1999, has decades of experience sourcing, developing, innovating, and manufacturing premium products.

Alta Labs was founded in 2022, but the team includes many top talents in the network product development space. Several of our key team members have decades of experience behind them and have been key resources at previous companies of employment. They are now bringing their talents and expertise to the Alta Labs brand. The team is laser-focused on the Alta Labs mission - to create revolutionary networking technology driven by our proprietary software and hardware designs. Our goal is to bring easy-to-use yet completely customizable management and utilization software to help users manage their networking needs, no matter the system or design they want to implement.



We provide an incredibly reliable platform that offers innovative proprietary features but easy enough to use that anyone can deploy a world-class network



We have real sales, technical support, and marketing design resources available at no-cost



Alta Labs provides products with higher performance and reliability than our competitors



Alta Labs provides training videos and technical support to those that are installing our products



We provide a stronger margin structure with more protection than our competitors, for both our distribution, sub-distribution, and installation partners



## THE ALTA LABS EXPERIENCE

Our products are designed for seamless installation with an easy-to-use management interface available on your mobile device, laptop, or desktop system. Our product portfolio consists of a full ecosystem, so you can incorporate Alta Labs products from the router, switching, to the access points. Our Alta Control™ management platform is designed to fit your needs. The cloud platform is included with every product purchase and designed for optimum scalability using a high-availability architecture for ultimate convenience and worldwide accessibility. For those that prefer a local controller, we offer a hardware solution and a downloadable self-hosted version of the Alta Control platform.

Many of our competitors charge recurring software licensing fees to use their basic management software. Our core management interface requires no licensing fees.

We pride ourselves on being available to our customers. We want our customers to know that we are real people that can be reached easily. We also have a wealth of resources available to our customers. Interact directly with our team online, via email, or by phone.

Visit our community forum for feature requests, suggestions, bug reports, or to chat with Alta engineers directly at **[forum.alta.inc](https://forum.alta.inc)**

Our help center provides the latest product documentation, videos, guides, and knowledge base articles at **[help.alta.inc](https://help.alta.inc)**

Check out our website at **[alta.inc](https://alta.inc)**.



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### BUSINESS



Deploy Alta Labs products in business environments such as restaurants, coffee shops, sports bars, malls, hotels, and more. Alta Labs has a complete ecosystem of products to meet your wired and wireless networking needs. Alta Labs products can all be managed using the Alta Control™ management platform. The management interface is simple enough for anyone to use but complex enough to meet the needs of any business environment.

Using **AltaPass™**, Alta Labs' patented multi-password technology (USPTO 12047240) built into all Alta Labs access points, your customers and employees can all connect to the same wireless network SSID but are granted different levels of network access based on the password you provide them to log in. Our management platform also includes **hotspot functionality**, allowing the creation of a custom local hotspot featuring a logo, title page, terms of service, and a final landing page. A hotspot can also be set up to redirect to an external URL.

View the Isaacs on the Quay case study:



### COMMERCIAL



Our AP6-Pro Access Point is **IP54-rated**, providing superior protection from dust in a commercial environment. The AP6-Pro Outdoor is **IP68-rated** for outdoor usage, offering maximum protection against the environment. Designed to be able to withstand exposure to year-round weather conditions and harsh environments with an operating temperature of -40 to 70° C (-40 to 158° F).

Built upon a **Qualcomm®** WiFi 6 networking platform, the AP6-Pro and AP6-Pro Outdoor access points utilize a **4x4 WiFi 6 configuration in the 5 GHz band**, delivering enhanced performance, range, and client capacity. Pair them with our 16 and 24-port switches for the ultimate in performance. Designed for maximum performance, our Route10 10 Gbps Router includes 4 autosensing Ethernet ports that support up to 2.5 Gbps Ethernet connections (10/100/1000/2500 Mbps). Route10 also provides 2 SFP+ ports for high-capacity fiber or copper connections of 1 Gbps, 2.5 Gbps, 5 Gbps, or 10 Gbps.

View the Noratel case study:







### EDUCATION



The Alta Control management platform provides **scalable multi-site management**, making deploying and managing multiple campuses quick and easy. Add, delete, or rename campuses instantly. Toggle between campuses from a site selection drop-down. Each campus contains its own data set.

Content filtering is a high priority on campuses, and our **DPI engine** provides advanced filtering and simple controls to block groups of applications such as adult content, specific applications, and websites.

View the Albert Einstein School case study:



### RESIDENTIAL



Alta Labs access points are designed to be scalable, a single AP can cover a smaller home, while several APs can be used in a larger residence with **seamless roaming**. Combine the access points with our Route10 10 Gbps router to provide high-performance networking and WiFi throughout your home. Expand your wired device capabilities with our line of switches, starting with our compact 8-port S8-POE managed gigabit Ethernet switch.

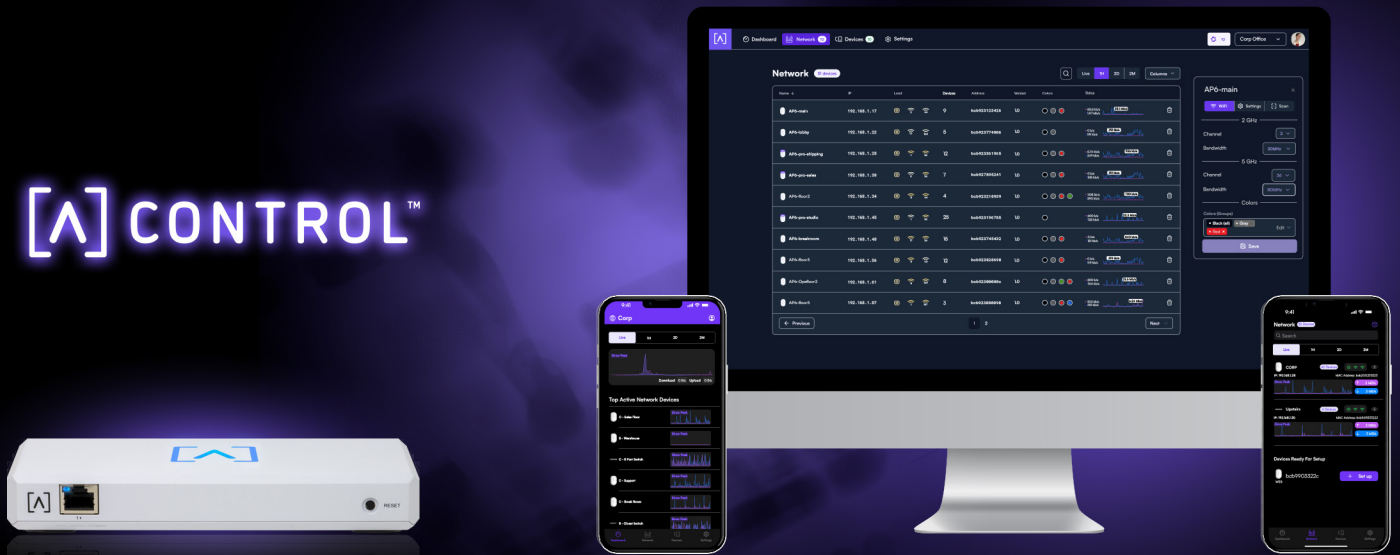
The Alta Control cloud management platform is included with the purchase of Alta Labs hardware. Designed with ease of use in mind, its simple yet powerful interface can be conveniently accessed using a desktop or laptop computer. Monitor and manage your networks from your mobile device using the **Alta Networks app**. Sign up for an Alta Labs account using just your name, email, and password, or sign in using your Google or Apple account.

View the Dimond Built case study:



## ALTA LABS PRODUCTS

We're excited to share our product offerings, but please keep in mind that these products are only the beginning! We look forward to bringing you more products in the future.



### Alta Control Management Platform

- **Flexible Management Options:** Alta Control is designed to meet your management requirements. Your Alta Labs hardware purchase includes our cloud-based management platform. We also have a local hardware controller and a downloadable self-hosted local controller.
- **Scalable Multi-Site Management:** Deploy and manage multiple sites quickly and easily. Each site contains its own data set.
- **Mobile App:** Monitor and manage your networks from the convenience of your mobile device using the Alta Networks app.
- **Customizable Dashboard:** Customize your dashboard with the info you want.
- **Device Cards:** View connection details and configure your access points or client connections by clicking the device icon.
- **Wireless Network Color Coding:** Patent pending functionality that allows you to assign color groups to wireless SSIDs and use them to assign membership to wireless access points.
- **Status Snapshots:** View a visual timeline on the dashboard for each access point.
- **Dark Mode:** Match your system theme, use a light theme, or to select a dark theme.
- **AltaPass™ Multi-Password Technology:** Allows all clients to connect to the same wireless network SSID but provides them with different access levels dependent upon the password they are provided to login.
- **Site Manager:** Provides an overview of all sites, displays the number of devices for each site, and shows when updates are needed. Easily add new sites.
- **DPI Engine:** Advanced filtering to block content by application or domain.
- **Hotspot Functionality:** Create your own local hotspot with a logo, title page, terms of service, and a final landing page or redirect to an external URL.
- **On-The-Fly Changes and Scanning:** Make changes without taking your network down. Also scan your AP environment without disrupting WiFi.
- **SSID Broadcasting Flexibility:** In addition to hiding your SSID, you can continue broadcasting your SSID during a “scheduled off” event. This provides network admins with the ability to grant users additional time on the network.



## AP6-Pro Access Point



- **WiFi 6 With WiFi 7 Benefits:** Built on an innovative new dual-band, 6 stream, WiFi 6 networking platform from Qualcomm®, the AP6-Pro incorporates 4096 QAM, a primary feature of WiFi 7, providing a combined 6.3 Gbps of WiFi capacity.
- **Superior Range and Performance:** Our proprietary antenna design provides superior range and performance. The AP6-Pro features four 5 GHz antennas, a design that helps the AP6-Pro outperform 2x2 APs by an over 30% throughput increase in many cases.
- **IP54 Rated:** The AP6-Pro is IP54 rated, offering strong protection against solids such as dust in a commercial environment, and a limited level of water spray resistance.

## AP6 Access Point



- **Superior Range and Performance:** Our proprietary antenna design provides superior range and performance. Engineered by a team with extensive WiFi design expertise, the AP6 provides seamless roaming and advanced traffic management to ensure a superior WiFi experience.
- **High Performance WiFi 6:** Built on Qualcomm's dual-band, 4-stream WiFi 6 networking platform, the AP6 delivers optimal 2.4 GHz and 5 GHz WiFi 6 performance.

## AP6-Pro Outdoor Access Point



- **IP68 Rated for Optimal Weather Protection:** The AP6-Pro Outdoor is IP68 rated, offering maximum protection against the environment. You can rest assured that your AP6-Pro Outdoor Access Points are able to withstand exposure to year-round weather conditions. Designed to withstand harsh environments with an operating temperature of -40 to 70° C (-40 to 158° F).
- **WiFi 6 With WiFi 7 Benefits:** Built on an innovative new dual-band, 6 stream, WiFi 6 networking platform from Qualcomm®, the AP6-Pro Outdoor incorporates 4096 QAM, a primary feature of WiFi 7, providing a combined 6.3 Gbps of WiFi capacity.
- **Superior Range and Performance:** Our proprietary antenna design provides superior range and performance. The AP6-Pro Outdoor features four 5 GHz antennas, a design that helps the AP6-Pro Outdoor outperform 2x2 APs by an over 30% throughput increase in many cases.
- **Omnidirectional + Mesh Connectivity:** The AP6-Pro Outdoor features an omnidirectional antenna, allowing WiFi connectivity in all directions. By incorporating Mesh technology, the AP6-Pro Outdoor can be used to extend your WiFi network to areas that may be difficult or unreachable with wired Ethernet.

## S24-PoE Switch



- **Rackmountable 24-Port Switch:** The S24-PoE has twenty-four 10/100/1000 ports.
- **Power Over Ethernet:** Sixteen of the ports offer 802.3at PoE+ functionality with a PoE budget of up to 240 Watts.
- **SFP+ Connectivity:** The S24-PoE includes two SFP+ ports providing 1, 2.5, 5, or 10 Gbps connectivity.
- **Bluetooth:** Seamless setup via Bluetooth and Alta Management Interface.

## S16-PoE Switch



- **Rackmountable 16-Port Switch:** The S16-PoE has sixteen 10/100/1000 ports.
- **Power Over Ethernet:** Eight of the ports offer 802.3at PoE+ functionality with a PoE budget of up to 120 Watts.
- **SFP Connectivity:** The S16-PoE includes two SFP ports providing 1000 Mbps connectivity.
- **Bluetooth:** Seamless setup via Bluetooth and Alta Management Interface.

## S8-PoE Switch



- **Compact 8-Port Switch:** The S8-PoE has eight 10/100/1000 ports. It has a compact form factor that can be mounted on a wall or placed on a desktop.
- **Power Over Ethernet:** Four of the ports offer 802.3at PoE+ functionality with a PoE budget of up to 60 Watts.
- **Bluetooth:** Seamless setup via Bluetooth and Alta Management Interface.

## Route10 10 Gbps Router



- **High Performance Connectivity:** Designed for maximum performance, Route10 includes four autosensing Ethernet ports that support up to 2.5 Gbps Ethernet connections (10/100/1000/2500 Mbps).
- **Power Over Ethernet:** Route10 features PoE+ connectivity on ports 2 & 3. The router supports the 802.3at PoE+ standard and is backwards compatible with the 802.3af PoE standard. Power your Alta Labs Access Points and other devices that support 802.3at or 802.3af standards.
- **SFP+ Connectivity:** Route10 provides two SFP+ ports for high-capacity fiber or copper connections of 1 Gbps, 2.5 Gbps, 5 Gbps, or 10 Gbps.
- **Bluetooth:** Seamless setup via Bluetooth and Alta Management Interface.

## Control Local Network Controller



- **Configuration Backup:** Backup and Restore Functionality.
- **High Device Capacity:** Can Manage Up To 1,000 Alta Labs Devices.
- **Intuitive and Easy-To-Use:** Same management interface and functionality as our Cloud Management platform but in a self-contained local hardware controller.