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Alta Labs AP6 PRO Enterprise Access Point, WiFi 6, 4×4, Cloud Managed

SKU
WIF-AT-00002
MPN
AP6-PRO

Description

The Alta Labs AP6 PRO Enterprise Access Point redefines the standard for high-performance wireless networking. Embrace the future of connectivity with its cutting-edge WiFi 6 technology, equipped with 4×4 Multiple-Input Multiple-Output (MIMO) capabilities and effortless cloud management.

With WiFi 6, this access point brings unprecedented speed and efficiency to your enterprise network. Benefit from up to 9.6 Gbps aggregate data rates, enabling seamless access for multiple users and devices simultaneously. Its Orthogonal Frequency Division Multiple Access (OFDMA) and Target Wake Time (TWT) features further optimize network efficiency, reducing latency and increasing throughput even in densely populated environments.

The 4×4 MIMO configuration enhances signal coverage and allows the AP6 PRO to support four spatial streams, ensuring exceptional data transfer rates for both upload and download. Maximize productivity with improved throughput ...

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The Alta Labs AP6 PRO Enterprise Access Point – an advanced WiFi 6 solution that delivers blazing-fast speeds, efficient performance, and comprehensive cloud management capabilities.

- Advanced WiFi 6 technology for enhanced performance and efficiency.
- 4x4 MIMO configuration for improved signal coverage and increased data transfer rates.
- Up to 6.3 Gbps aggregate data rates for seamless access in high-density environments.
- OFDMA and TWT features optimize network efficiency, reducing latency and increasing throughput.
- Cloud-based management platform for centralized configuration, monitoring, and troubleshooting.
- Real-time performance metrics and proactive issue identification for efficient network management.
- Automatic firmware updates and secure remote access for seamless scalability and administration.
- WPA3 encryption for robust security against unauthorized access and malicious attacks.
- Built-in intrusion prevention system to detect and mitigate...

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Alta Labs

Alta Labs is brought to life by leading network pioneers, reimagined for the next generation of networking and technology. Backed by over 24 years of manufacturing experience from Soundvision Technologies - Alta Labs is new - but the people behind the brand are the most experienced in the industry. Alta Labs' goal is to elevate your network experience with leading-edge products and software - all ...

Network Interfaces

Wireless Interfaces

WiFi Module

No. Radios

2

Max. Throughput

6300 Mb/s

Max. Clients

300

No. Antennas

4

WiFi Radios

Radio Name (Optional)	WiFi Standard	Frequency Bands	MIMO	Transmit Power	Beamforming
Radio 1 - 5 GHz	802.11ax WiFi-6	5 GHz	4x4 MIMO	23 dBm	2DBF
Radio 1 - 2.4 GHz	802.11ax WiFi-6	2.4 GHz	2x2 MIMO	23 dBm	
Radio 2	802.11ax WiFi-6	5 GHz	4x4 MIMO	23 dBm	2DBF

Bluetooth Interface

Protocol

Bluetooth 5.0

Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	Data & PoE Input	100BASE-T, 1000BASE-T	802.3at PoE+

Antenna Specifications

Start Frequency

2400 MHz

Stop Frequency

5850 MHz

Polarisation

Linear

Input Impedance

50 Ω

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	Elevation	Efficiency	Inter-Port Iso.
2400 MHz	2500 MHz	2.7 dBi	> 10 dB	360°	63%	> 20 dB
5150 MHz	5850 MHz	4.2 dBi	> 10 dB	360°	68%	> 20 dB

Physical Specification

Subtype
WiFi Access Point
Min. Operating Temperature
-30 °C
Max. Operating Temperature
60 °C
Ingress Protection
IP54
Dimensions
190 × 125 × 32 mm
Weight
0.4 kg
Materials
Aluminium, Polycarbonate (PC)
Mounting
Ceiling
,
Wall / Vertical Surface
Compliance/Certifications
CE
,
RCM
Power Specifications
Max. Consumption
20 W
Power Options
Power over Ethernet

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