

# NETWORK AS A SERVICE MADE EASY

## ProCloud Subscription Services

### **BLUESOCKET 2020 INDOOR ACCESS POINT, COST EFFECTIVE, HIGH PERFORMANCE, DUAL RADIO 802.11AC**

#### Benefits

- 802.11a/b/g/n/ac wireless access points supporting 2x2:2 MIMO antenna technology
- Dual radio 2.4 GHz and 5 GHz
- Data rates up to 867 Mbps on 5 GHz radio and 300 Mbps on 2.4 GHz radio
- Fully functional with 802.3af (PoE)
- User configurable maximum associated clients per radio
- Increased receive sensitivity to compensate for mobile devices with less transmit power
- Zero-touch AP deployment—APs automatically discover vWLAN, download firmware, and download configuration
- Layer 7 Device Fingerprinting provides reporting and analytics of device types and device-specific policies
- Supports WMM/802.11e and QoS for Enterprise-class Voice over Wi-Fi®
- DynamicRF Radio Resource Management Technology—automatically configures optimal radio settings to maximize performance
- Integrated wireless intrusion detection system to identify rogue access points and wireless attacks
- Supports stateful firewall for highest security at the edge

#### Overview

ADTRAN's wireless portfolio includes a family of 802.11n and 802.11ac high-performance Access Points (APs) that are a perfect fit for enterprises of all sizes, including educational institutions, retail, hospitality, and healthcare providers who are looking to move their organizations to a pervasive mobility environment. Bluesocket® APs are completely plug-and-play requiring no manual configuration and deliver optimal performance.

Whether you want to add wireless to your office or deploy across an entire campus, the Bluesocket APs are designed to meet your needs.

#### Cost Effective, High Performance, Reliable Connectivity

The Bluesocket 2020 indoor AP offers cost effective, enterprise-grade performance with two transmit and two receive streams providing data rates up to 867 Mbps on the 5 GHz radio and 300 Mbps on the 2.4 GHz radio for a total of 1.2 Gbps. The Bluesocket 2020 AP includes four MIMO internal antennas with up to 6 dBi gain on the 5 GHz and 3 dBi on the 2.4 GHz.

The Bluesocket 2020 AP provides cost-effective, high-performance, reliable coverage in medium density wireless environments such as classrooms, retail stores, hotel guest rooms and other medium traffic areas. The Bluesocket 2020 AP offers higher receive sensitivity on both the 2.4 GHz and 5 GHz radios to compensate for Bring Your Own Device (BYOD) type mobile devices such as smartphones and tablets that have a fraction of the transmit power of traditional laptops.

The Bluesocket 2020 AP is fully functional with the power delivered by a single-port 802.3af PoE solution.

#### Cloud-Managed Wireless

ADTRAN's wireless solution is built on Bluesocket virtual Wireless LAN (vWLAN), the industry's premier cloud-managed wireless LAN. vWLAN® is simple yet powerful: simple in that it is intuitive, easy to learn, setup and use, and powerful with unmatched visibility, security, reliability, scalability and performance. In addition, ADTRAN's ProServices<sup>SM</sup> offer the most robust lifecycle professional services—from initial designs, to onsite surveys, to installations, all the way to end-user Help Desk.

#### Deployments Made Simple—Auto Provision, Auto Configure, Auto Optimize

- Zero-touch AP Deployment: APs automatically discover vWLAN in the cloud, download firmware and download configuration.
- DynamicRF: Radio Resource Management (RRM) technology maximizes performance, adapts to interference, and provides seamless L2/L3 mobility by automatically setting channel and TX power settings, discovering neighbors and load balancing.
- Zero-IT Setup: Enjoy a fully functional employee and guest network in minutes with just a few clicks and keystrokes.





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**Unmatched Visibility and Insight**

Cloud management allows you to view, manage and optimize the Wi-Fi® network from any device—anytime.

- **Customizable Reporting and Analytics Dashboards** provide realtime and historical business insight into the network.

- **Multi-tenant Support** enables centralized management of multiple customers or business entities from a single software instance.

**Unsurpassed Security, Reliability,  
Scalability and Performance**

- **Context-aware Access Control** (with Layer-7 Device Fingerprinting) allows you to define security policies

based on user credentials, device type, ownership, location and schedules. Businesses can now support BYOD or allow guest access while ensuring highest levels of network security.

- **Built-in Wireless Intrusion Detection (W-IDS)** to detect and isolate rogue access points in the network.
- **Built-in High-Availability (HA)** with zero packet loss failover ensures a reliable, always-on network.
- **Elastic Scalability** allows the network to quickly scale without the constraints of legacy hardware controllers.

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