Bluesocket 2030/2035
High-performance Dual Radio 802.11ac Access Point

Product Features

- 802.11a/b/g/n/ac wireless access points supporting MIMO antenna technology

- Dual radio 2.4 GHz and 5 GHz

- Full 3x3:3 MIMO performance

- Data rates up to 1.3 Gbps on 5 GHz radio and 450 Mbps on 2.4 GHz radio

- Fully functional with 802.3af (PoE)

- User configurable maximum-associated clients per radio

- Increased receive sensitivity for mobile devices with less transmit power

- Supports auto discovery and plug-and-play, "zero-configuration" deployment

- Supports WMM/802.11e and QoS for Enterprise-class Voice over Wi-Fi®

- Automatic channel and power adjustments to optimize coverage and maximize performance

- Integrated wireless intrusion detection system to identify rogue access points and wireless attacks

- Supports stateful firewall for highest security at the edge

The ADTRAN® Bluesocket® family of high-performance Access Points (APs) is the perfect fit for educational institutions, enterprises, and service providers who are looking to deploy secure wireless networks. 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.

High-Performance, Reliable Connectivity
The Bluesocket 2030 and 2035 indoor APs offer enterprise-grade performance, with three transmit and three receive streams providing data rates up to 1.3 Gbps on the 5 GHz radio and 450 Mbps on the 2.4 GHz radio for a total of 1.75 Gbps. The Bluesocket 2030 AP includes six MIMO internal antennas with up to 5.5dBi peak gain, and the Bluesocket 2035 includes six RP-SMA connectors for external antennas.

The Bluesocket 2030 and 2035 APs provide high performance, reliable coverage in ultra-high density wireless environments, such as indoor arenas, conference centers, libraries, and other high traffic areas. The Bluesocket 2030s Series APs support the newer generation of laptops with three-stream radio support, and offer 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 2030 and 2035 APs are fully functional with the power delivered by a single-port 802.3af PoE solution.

High-Density Wi-Fi
For high-density Wi-Fi deployments, the Bluesocket 2030/2035 APs do not a include a limit on the number of clients (mobile devices) per radio. Instead, users can configure the maximum number of associated-clients per radio, based on application requirements, to ensure a better user experience.

Cloud-Based Control and Management
The Bluesocket APs operate in conjunction with the ADTRAN Bluesocket virtual Wireless LAN (vWLAN), the industry's first cloud-based control and management software. By removing 100 percent of the controller hardware, Bluesocket vWLAN® eliminates scale limitations, and enables centralized control and management of APs across multiple buildings, the corporate campus or across any geographic location. Cloud control also provides the ability to trouble-shoot APs without physically traveling to each location. Bluesocket vWLAN can be deployed on a no cost vWLAN Virtual Appliance (VMware®) or a low cost vWLAN Appliance (hardware). In addition, ADTRAN offers ProCloud Wi-Fi, a cloud-hosted and fully managed wireless LAN offering.

Unmatched Security at the Edge
The Bluesocket family of APs includes a built-in stateful firewall that enforces security policies at the edge to turn away malicious traffic before it hits the LAN. In addition, with Wireless Intrusion Detection System (W-IDS) as a standard feature, comprehensive user authentication options, support for many encryption protocols, combined with Bluesocket vWLAN's role-based authentication, ensures a secure wireless environment.

Smart Bandwidth Management
Leveraging ADTRAN's technology leadership, the Bluesocket APs offer smart bandwidth management features including granular bandwidth management, Wi-Fi Multimedia (WMM) enabled packet prioritization and packet remarking, to provide the highest level of performance.

DynamicRF Management
The Bluesocket APs incorporate ADTRAN's DynamicRF™ radio resource management technology that ensures your entire wireless network is setup with the right balance of channels and power. DynamicRF reduces the effort to setup and maintain your wireless network—the system detects any non-optimal environmental conditions, and can automatically adjust RF parameters, or provide administrators with a recommended list of changes.

Zero Touch, Plug-and-Play Deployment
ADTRAN's Bluesocket APs are completely plug-and-play and self-configuring, requiring no manual configuration, ensuring faster deployment of your wireless network.

Wi-Fi CERTIFIED

Connectit

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TL9000
TL19.1270

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ADTRAN is an ISO 9001, ISO 14001, and a TL 9000 certified supplier.

Bluesocket 2030/2035
High-performance Dual Radio 802.11ac Access Point

Product Specifications

Interfaces
- One Auto-sensing, 10/100/1000Base-T, RJ-45 Connector

Antenna
- **Bluesocket 2030:** Six Internal MIMO Antennas with 5.5dBi Gain
- **Bluesocket 2035:** Six External RP-SMA Connectors

Radios
- 802.11a/n/ac and 802.11b/g/n
- Configurable for Sensor-mode RF Scanning
- DynamicRF (Radio Resource Management) for Automatic Channel, TX Power, and Neighbor Discovery
- Configurable Maximum Associated Clients per Radio
- Multicast/Broadcast to Unicast Conversion
- A-MPDU and A-MSDU Frame Aggregation
- HT20, HT40 (High Throughput) and VHT80 (Very High Throughput)
- Max Transmit Power—100mW

Certifications
- Wi-Fi 802.11a/b/g/n/ac Certification

Mobility Services
- Eight SSIDs per Radio
- Support for Apple Bonjour Based Services (Airprint, Airplay), Apple CNA, and Microsoft NCSI
- Wireless Client Load Balancing
- Secure Fast Roaming with Opportunistic Key Caching (OKC)
- Seamless Layer 2 and Layer 3 Roaming
- High Availability

QOS for Voice, Data, and Video
- Smart Bandwidth Management (Incoming, Outgoing)
- WMM (802.11e)
- 802.1p or Differentiated Service Code Point (DSCP)
- WMM Power Save (U-APSD0

Security
- 802.1X Port-based Authentication
- Open System (WEP-64/128)
- Shared System (WEP-64/128)
- WPA/WPA2-Personal   - WPA/WPA2-Enterprise
- EAP-TTLS   - EAP-PEAP   - EAP-FAST
- EAP-TLS   - EAP-SIM   - EAP-AKA

Environment
- **Operating:** 32° F to 104° F (0° C to 40° C)
- **Storage:** -40° F to 158° F (-40° C to 70° C)
- **Humidity:** 5% to 90% Typical

Physical
Bluesocket 2030 AP
- **Dimensions:** 6.5 in. x 6.5 in. x 1.5 in. (W x D x H) (165 mm x 165 mm x 35 mm)
- **Weight:** 1.25 lbs (0.6 kg)

Bluesocket 2035 AP
- **Dimensions:** 6.5 in. x 6.5 in. x 1.5 in. (W x D x H) (165 mm x 165 mm x 35 mm)
- **Weight:** 1.25 lbs (0.6 kg)

Power
- 802.3af Compliant Power over Ethernet
- External 12V DC Power Adapter (Optional)

Mounting
- Wall/ceiling/T-bar Mount Kit Included
- Plenum Rated
- **Anti-Theft:** Compatible with Kensington-style Locks

Agency Approvals
Electrical/Safety Compliance
- UL 1950   - CSA 22.2
- IEC 60950   - EN 60950

Radio Approvals
- FCC Part 15.247
- RSS-210 (Canada)
- EN 300.328 (Europe)
- AS/NZS 4771 (Australia & New Zealand)
- NCC (Taiwan) and IDA (Singapore)
- EMI and Susceptibility (Class A)
- FCC Part 15.107 and 15.109
- ICES-003 (Canada)
- EN 301.489-1 and -17 (Europe)
- AS/NZS 3548

Warranty
- Limited Lifetime Warranty

Ordering Information

Equipment	Part No.
Bluesocket Access Points (BSAPs)	
BSAP 2030 Access Point: 802.11a/b/g/n/ac; 3x3:3 with Six Internal MIMO Antennas	1700948F1
BSAP 2035 Indoor Access Point: 802.11a/b/g/n/ac, 3x3:3, with Six External RP-SMA Connectors	1700949F1
vWLAN Management and Control	
vWLAN Virtual Appliance (VMware) www.adtran.com/downloadvwlan	**DOWNLOAD ONLY**
vWLAN Appliance (Hardware)	1700900F1
Software License	
Access Point vWLAN Software License (with built-in High Availability)	1951901G1
Access Point Unified User Access (Wired and Third-Party AP Support) Software License (Optional)	1951910G1
Accessories	
802.3af Compliant PoE Injector	1700926F1
AC/DC Power Adapter	1700929F1
Antenna Bundle for BSAP 2035	1700957F1

ADTRAN®