

Highlights

Business Alignment

- Extends secure connectivity to Internet of Things (IoT) sensors for Smart Buildings while reducing risks from weak or insecure sensors
- Enforces role-based grouping of users, devices, and applications to deliver priority, QoS, and security in accordance with business needs for wireless devices
- Support for demanding voice/video/data applications to enhance mobile worker productivity and convenience
- Seamless roaming across an entire multi-subnet campus without the need for cumbersome client software
- Integrated management, security, and QoS features reduce operating cost and ensure a consistent user experience regardless of location

Operational Efficiency

- Centralized visibility and control accelerates problem resolution, optimize network utilization, and automate management
- Adaptive architecture reduces complexity and optimizes information flow for each application
- Dynamic Radio Management when used for planning and monitoring ensures optimal spectrum coverage resulting in the best end-user quality of experience
- Flexible Client Access optimizes throughput for 802.11ac/n clients in today's mixed ac, n, and a/b/g client environments

Flexible Management Options

- On premise, with hardware or virtual ExtremeWireless Appliance
- ExtremeCloud™ Cloud-Managed Networking Platform (future)



ExtremeWireless™ 3917i/e Outdoor Access Point

Enterprise-Grade and Wave 2 Outdoor Performance without the Premium Cost

Product Overview

The AP3917 is a feature rich 802.11ac Wave 2 and 802.11abgn outdoor access point that extends affordable enterprise-grade mobility beyond the walls. These outdoor access points are designed to operate in harsh environments such as manufacturing plants, parks, practice facilities, and outdoor stadiums. The AP3917 offers multiple connectivity options including WiFi 2.4GHz, WiFi 5GHz, and BLE/802.15.4 (e.g. Thread, etc.) for location services or extended connectivity to Internet of Things (IoT) sensors and devices.

The energy efficient AP3917 is powered via 802.3at Power over Ethernet (PoE). The light-weight and compact design enables easy installation on most surfaces; optional accessories are available for fixed wall mounting, directional wall mounting, or pole mounting. The AP3917e model requires professional installation and includes four standard N-type antenna connectors supporting 2.4GHz or 5GHz band antennas, as well as a fifth standard N-type connector for a 2.4GHz antenna for BLE/802.15.4 support.

The AP3917 is built using the latest in technology, including 802.11ac Wave 2, dynamic radio management, spectrum analysis with interference classification, beamforming, multi-user MIMO, self-forming and self-healing meshing, security, role-based authentication, authorization, and access control to ensure consistent and secure connectivity to users and sensors.

The 2x2:2 platform can deliver up to 1.2 Gbps over-the-air-performance and up to 50,000 packets per second on the wired port using a unique flow-based architecture that provides consistent performance even when enforcing extensive application-based (aka Layer 7) service requirements.

ExtremeCloud Management

The AP3917 is cloud-ready out of the box and supports future secure connectivity to ExtremeCloud™, a single pane of glass for cloud managing both the wired and wireless components of your network.

See the [ExtremeCloud datasheet](#) for details and ordering part numbers.

Specifications

| Product Features | AP3917 i/e |
|--|--|
| General | |
| Fully-Featured Enterprise Class AP | ✓ |
| Number of Wi-Fi Radios | 2 |
| MIMO Implementation for High-Performance 11ac & 11n Throughputs | 2x2 |
| Number of Spatial Streams | 2 |
| Number of Simultaneous Users (MU-MIMO) | 2 |
| Maximum Throughput 2.4GHz Radio | 300 Mbps |
| Maximum Throughput 5GHz Radio | 867 Mbps |
| Maximum Throughput Per AP | 1.167 Gbps |
| RFC2285 Wire/Wireless Forwarding Rate | 50,000 pps |
| Number of SSIDs Supported Per Radio/Total | 8/16 |
| Simultaneous Users Per Radio/Total | 240/480 Per AP |
| Simultaneous Voice calls (802.11b, G711, R>80) | 30 or less |
| Mode of Operation | Semi-autonomous |
| Plug and Play Operation/Zero Touch Deployment | ✓ |
| Security and Standards | WPA, WPA2 (AES), 802.11i, 802.1x, IPSec, IKEv2, PKCS #10, X509 DER / PKCS #12, SSL |
| Internet of Things (IoT) Radio | Dual mode selectable (2.4 GHz with Co-Existence): Bluetooth Low Energy (BLE) 4.1 Single and Dual mode operation (Classic and Low Power Profiles 802.15.4 -2011) |
| GPS Radio | Internal |
| Multiple Operating Modes | |
| Intelligent Thin AP | Encryption, Security, QoS and RF Management Services done at AP |
| Distributed and Centralized Data Paths Within Same SSID | ✓ |
| Application Based Distributed and Centralized Data Paths Within Same User / Device Session | ✓ |
| Simultaneous RF Monitoring and Client Services | ✓ |
| BYOD / Device Fingerprinting Visibility | ✓ |
| Application / Layer 7 Visibility and Control | ✓ |
| In-Channel WIDS | ✓ |
| In-Channel WIPS | ✓ |
| Dedicated Multi-Channel WIDS (Guardian Mode) | ✓ |
| Dedicated Multi-Channel WIPS (Guardian mode) | ✓ |
| Dedicated Multi-Channel RF Spectrum Analysis and Fingerprinting | ✓ |
| Locates Devices and Threats via RF Triangulation | ✓ |

Specifications (cont.)

| Product Features | AP3917 i/e |
|---|-------------------------------------|
| Multiple Operating Modes (cont.) | |
| Self-Forming and Self-Healing Meshing | ✓ |
| Remote Access Point | ✓ |
| Hardware-Based, End-to-End Data and Control Plane Encryption | ✓ |
| Private and Public Cloud Deployments | ✓ |
| SSL | ✓ |
| Policy Enforcement for Wireless Clients (L2-L7 Access Control, QoS, Rate Limiting, and VLAN Containment) | ✓ |
| Fabric Attach ready (end-to-end network orchestration and automation) | ✓ |
| Hybrid Operation | |
| Security Scanning and Serve Clients On Same Radio | ✓ |
| Security Scanning and Spectrum Analysis On Same Radio | ✓ |
| Spectrum Analysis and Serve Clients On Same Radio | ✓ |
| Multi-Channel Dedicated Security Scanning and Spectrum Analysis | ✓ |
| Radio Characteristics | |
| Cellular coexistence | ✓ |
| Max Total Conducted Power (does not include antenna gain)* | |
| Radio 1 (5GHz) | TBD |
| Radio 2 (2.4GHz) | TBD |
| IoT Radio | TBD |
| Max Antenna Gain (Integrated Antenna) | |
| Radio 1 (5GHz) | TBD |
| Radio 2 (2.4GHz) | TBD |
| IoT | TBD |
| Adaptive Radio Management | |
| Dynamic Channel Control | 802.11h: DFS and TPC support (ETSI) |
| Efficient Use of the Spectrum with A Multi-Channel Architecture | ✓ |
| Automatic Transmit Power and Channel Control | ✓ |
| Self-Healing with Coverage Gap Detection | ✓ |
| Band Steering with Multiple Steering Modes | ✓ |
| Spectrum Load Balancing of Clients | ✓ |
| Airtime Fairness | ✓ |
| Performance Protection In Congested RF Environments | ✓ |
| Fast Transition Roaming (802.11k) | ✓ |
| Mitigates Co-Channel Interference with Coordinated Access | ✓ |
| Mitigates Adjacent Channel Interference with Optimized Receive Sensitivity | ✓ |
| Efficient Reuse of Channels At Shorter Intervals | ✓ |
| Mitigates Non 802.11 Interference Without Dedicated Radios | ✓ |
| Probe Suppression and Client Link Monitoring | ✓ |
| Management Frame Protection (802.11w) | ✓ |

* Actual available power would vary based on local regulatory requirement and actual channels used for operation

Specifications (cont.)

| Product Features | AP3917 i/e |
|--|---|
| Quality of Service | |
| Quality of Service (WMM, 802.11e) | ✓ |
| Power Save (U-APSD) | ✓ |
| Fast Secure Roaming and Handover Between APs (802.11r) | ✓ |
| Pre-Authentication (Pre-Auth) | ✓ |
| Opportunistic Key Caching (OKC) | ✓ |
| Bonjour/LLMNR/UPNP Identification, Containment and Control | ✓ |
| Supports Voice, Video, and Data Using the Same SSID | ✓ |
| Prioritizes Voice Over Data for Both Tagged and Untagged Traffic | ✓ |
| Rate Limiting (Rule and User-Based) | ✓ |
| Rule and Role Based Qos Processing | ✓ |
| Quality of Service (continued) | |
| Multicast to Unicast Conversion | ✓ |
| Adaptable Rate Multicast | ✓ |
| Power Save Mode Optimization for Multicast | ✓ |
| Media Access Protocol | |
| Media Access Protocol | CSMA/CA with ACK |
| Data Rates | |
| Data Rates | 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps 802.11n: Performance Table below 802.11ac: Performance Table below Receiver Sensitivity 802.11a: <ul style="list-style-type: none"> • -94dBm @ 6Mbps • -79dBm @ 54Mbps 802.11g: <ul style="list-style-type: none"> • -95dBm @ 6Mbps • -79dBm @ 54Mbps 802.11n: See 802.11n Receiver Sensitivity Table below 802.11ac: See 802.11ac Receiver Sensitivity Table below |
| Frequency Bands | |
| Frequency Bands | 802.11 ac/a/n: <ul style="list-style-type: none"> • 5.15 to 5.25 GHz (FCC/IC/ETSI) • 5.25 to 5.35 GHz (FCC/IC/ETSI)* • 5.47 to 5.725 GHz (FCC/IC/ETSI)* • 5.725 to 5.850 GHz (FCC/IC) 802.11b/g/n: <ul style="list-style-type: none"> • 2.400 to 2.4720 GHz (FCC/IC) • 2.400 to 2.4835 GHz (ETSI) *FCC/IC DFS planned after release |
| Wireless Modulation | |
| Wireless Modulation | 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM with OFDM 802.11ac Packet Aggregation: A-MPDU, A-MSDU 802.11ac Very High-Throughput (VHT): VHT20/40/80 802.11ac Advanced Features: LDPC, STBC, Maximum Likelihood (ML) Detection 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11n High-throughput (HT) support: HT 20/40 802.11n Packet aggregation: A-MPDU, A-MSDU 802.11n Advanced Features: LDPC, STBC and TxBF 802.11a: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11g: DSSS and OFDM 802.11b: DSSS |

Specifications (cont.)

| Product Features | AP3917 i/e |
|---|---|
| Interfaces | |
| Uplink | 1x 10/100/1000 Mbps auto-sensing Ethernet port (PoE) 1x 10/100/1000 Mbps auto-sensing Ethernet port (Non-PoE) |
| Mounting | |
| Wall and pole mounting (optional) | ✓ |
| Articulating mounting bracket (optional) | ✓ |
| Environmental | |
| Environmental | Operating Temperature: -40° C to +70° C (-40° F to +158° F) Humidity: 0%-95% (noncondensing) Altitude: 8,000ft at 54° F (12° C) Storage Temperature: -40° C to +70° C (-58° F to +158° F) Altitude: 30,000 ft at 82° F (28° C) Transportation Temperature: -40° C to +70° C (-58° F to +158° F) Electrostatic discharge: Condensing electrostatic Wind rating: 165 Mph gusts |
| 165 Mp | |
| Compliance | <ul style="list-style-type: none"> • FCC CFR 47 Part 15, Class B • ICES-003 Class B • FCC Subpart C 15.247 • FCC Subpart E 15.407 • RSS-210 • EN 301 893 • EN 300 328 • EN 301 489 1 & 17 • EN 50385 • EN 55032 (CISPR 32) • EN 60601-1-2 • AS/NZS4268 + CISPR32 |
| Safety | <ul style="list-style-type: none"> • IEC 60950-1 • EN 60950-1 • UL 60950-1 • CSA 22.2 No.60950-1-03 • AS/NZS 60950.1 |
| Dimensions | 8.6 in. length x 7.1 in. width x 2.7 in height / 218 mm x 180 mm x 69 mm (AP3917i) 8.6 in. length x 7.8 in. width x 2.7 in. height / 218 mm x 198 mm x 69 mm |
| Weight | 2.4 lbs/1.1 kg (AP3917i) 2.8 lbs/1.3 kg (AP3917e) |
| Power Consumption (RMS — Excludes PSE Load) | AP3917i Typical: TBD Idle (radios ON): TBD AP3917e Typical: TBD Idle (radios ON): TBD |
| Warranty | One Year Hardware Warranty |

Ordering Information

| Part Number | AP3917i |
|---|---|
| Access Points | |
| 31050 | WS-AP3917i-FCC (US, Puerto Rico, Colombia) Dual Radio 802.11ac/abgn, Wave 2, 2x2:2 MIMO outdoor access point with five internal antenna array and an integrated BLE/802.15.4 radio (Requires ExtremeWireless V10.41.02) |
| 31051 | WS-AP3917i-ROW (Verify country availability before ordering) Dual Radio 802.11ac/abgn Wave 2, 2x2:2 MIMO outdoor access point with five internal antenna array and an integrated BLE/802.15.4 radio (Requires ExtremeWireless V10.41.02) |
| 31055 | WS-AP3917e-FCC (US, Puerto Rico, Colombia) Dual Radio 802.11ac/abgn, Wave 2, 2x2:2 MIMO outdoor access point with five external antenna ports and an integrated BLE/802.15.4 radio (Requires ExtremeWireless V10.41.02) |
| 31056 | WS-AP3917e-ROW (Verify country availability before ordering) Dual Radio 802.11ac/abgn Wave 2, 2x2:2 MIMO outdoor access point with five external antenna ports and an integrated BLE/802.15.4 radio (Requires ExtremeWireless V10.41.02) |
| Accessories | |
| 30514 | WS-MBO-ART01 Articulating Mtg Brkt Outdoor articulating mounting bracket for AP3917i/e |
| 30517 | WS-EIO-01 AP Enclosure Indoor/Outdoor enclosure for AP3917i under-seat install |
| 30519 | WS-MBO-H01 H-Type Mtg Brkt Outdoor H-Type mounting bracket for AP3917i/e |
| 30520 | WS-MBO-POLE01 Pole Mtg Brkt Outdoor Pole mounting bracket for AP3917i/e |
| Antennas (Required for WS-AP3917e) | |
| ML-2452-HPAG5A8-01 | ML-2452-HPAG5A8-01 |
| ML-2452-HPAG4A6-01 | ML-2452-HPAG4A6-01 |
| ML-2452-HPA6X6-036 | 802.11ABG 6-Port Omni Dipole Array |
| 30724 | WS-AO-DQ04360N 4dbi Omni / Outdoor, 2.4-2.5/5.15-5.875GHz, 4dBi, Omni antenna with standard N-type plug connector |
| ML-2499-HPA4-01 | ANTENNA OUTDOOR 4dBi 2.4GHz |
| ML-2452-HPA6-01 | 5.3dBi/6.1dBi N-type male, dual band |
| ML-5299-HPA5-01 | ANTENNA, OUTDOOR,5dBi 5GHz |
| ML-2499-HPA8-01 | ANTENNA OUTDOOR 8dBi 2.4GHz |
| ML-2499-FHPA5-01R | ANTENNA, OUTDOOR,5dBi 2.4GHz |
| ML-5299-FHPA6-01R | Antenna 5G6dB Omni |
| ML-2452-PNA5-01R | Antenna: 2.4/5 GHz, Outdoor, Panel, 5 dBi, Beam Width: E-Plane: 65 degrees, H-Plane: 120 degrees, Connector Type N-Male |
| ML-2452-PNA7-01R | Antenna: 2.4/5 GHz, Outdoor, Panel, 7 dBi, Beam Width: E-Plane: 66 degrees, H-Plane: 68 degrees, Connector Type N-Male |
| ML-2452-PNL6M4-N36 | DUAL POLARIZED DUAL BAND NARROW BEAM DIRECTIONAL ANTENNA WITH 36 INCH CABLE, AND N-MALE CONNECTOR |
| ML-2452-SEC6M4-N36 | DUAL POLARIZED DUAL BAND WIDE BEAM DIRECTIONAL ANTENNA WITH 36 INCH CABLE AND N-MALE CONNECTOR |
| ML-2452-SEC6M4-N30 | DUAL BAND SECTOR WITH 30 INCH CABLE AND N CONNECTORS |
| ML-2452-PNL9M3-N36 | Outdoor, 3-Port,Dual-Band, 2V 1H, 11/10.7 dBi, 75/55 deg, CBL 36, N-Male |
| Mid-Span PoE Devices | |
| AP-PSBIAS-7161-US | Outdoor, Single Port, 1 Gigabit 802.3at PoE Midspan US |
| AP-PSBIAS-7161-WW | Outdoor, Single Port, 1 Gigabit 802.3at PoE Midspan ROW |

Data Rates

2.4 MHz Radio (802.11n)

| Description | Data Streams | HT20 | | HT40 | |
|-------------|--------------|-----------|----------|-----------|----------|
| | | Normal GI | Short GI | Normal GI | Short GI |
| MCS0 | 1 | 6.5 | 7.2 | 13.5 | 15 |
| MCS1 | 1 | 13 | 14.4 | 27 | 30 |
| MCS2 | 1 | 19.5 | 21.7 | 40.5 | 45 |
| MCS3 | 1 | 26 | 28.9 | 54 | 60 |
| MCS4 | 1 | 39 | 43.3 | 81 | 90 |
| MCS5 | 1 | 52 | 57.8 | 108 | 120 |
| MCS6 | 1 | 58.5 | 65 | 121.5 | 135 |
| MCS7 | 1 | 65 | 72.2 | 135 | 150 |
| MCS8 | 2 | 13 | 14.4 | 27 | 30 |
| MCS9 | 2 | 26 | 28.9 | 54 | 60 |
| MCS10 | 2 | 39 | 43.3 | 81 | 90 |
| MCS11 | 2 | 52 | 57.8 | 108 | 120 |
| MCS12 | 2 | 78 | 86.7 | 162 | 180 |
| MCS13 | 2 | 104 | 115.6 | 216 | 240 |
| MCS14 | 2 | 117 | 130 | 243 | 270 |
| MCS15 | 2 | 130 | 144.4 | 270 | 300 |

5.0 GHz Radio (802.11n/ac)

| Description | Data Streams | HT20 | | HT40 | | HT80 | |
|-------------|--------------|-----------|----------|-----------|----------|-----------|----------|
| | | Normal GI | Short GI | Normal GI | Short GI | Normal GI | Short GI |
| MCS0 | 1 | 6.5 | 7.2 | 13.5 | 15 | 29.3 | 32.5 |
| MCS1 | 1 | 13 | 14.4 | 27 | 30 | 58.5 | 65 |
| MCS2 | 1 | 19.5 | 21.7 | 40.5 | 45 | 87.8 | 97.5 |
| MCS3 | 1 | 26 | 28.9 | 54 | 60 | 117 | 130 |
| MCS4 | 1 | 39 | 43.3 | 81 | 90 | 175.5 | 195 |
| MCS5 | 1 | 52 | 57.8 | 108 | 120 | 234 | 260 |
| MCS6 | 1 | 58.5 | 65 | 121.5 | 135 | 263.3 | 292.5 |
| MCS7 | 1 | 65 | 72.2 | 135 | 150 | 292.5 | 325 |
| MCS8 | 1 | 78 | 86.7 | 162 | 180 | 351 | 390 |
| MCS9 | 1 | N/A | N/A | 180 | 200 | 390 | 433.3 |
| MCS0 | 2 | 13 | 14.4 | 27 | 30 | 58.5 | 65 |
| MCS1 | 2 | 26 | 28.9 | 54 | 60 | 117 | 130 |
| MCS2 | 2 | 39 | 43.3 | 81 | 90 | 175.5 | 195 |
| MCS3 | 2 | 52 | 57.8 | 108 | 120 | 234 | 260 |
| MCS4 | 2 | 78 | 86.7 | 162 | 180 | 351 | 390 |
| MCS5 | 2 | 104 | 115.6 | 216 | 240 | 468 | 520 |
| MCS6 | 2 | 117 | 130 | 243 | 270 | 526.5 | 585 |
| MCS7 | 2 | 130 | 144.4 | 270 | 300 | 585 | 650 |
| MCS8 | 2 | 156 | 173.3 | 324 | 360 | 702 | 780 |
| MCS9 | 2 | N/A | N/A | 360 | 400 | 780 | 866.7 |

Receiver Sensitivity

2.4 GHz Wi-Fi Radio (2.4GHz, 11g)

| Typical Sensitivity at Each RF Chain. Frame (1000-BYTE PDUS) Error Rate <10% at Room Temp. 25° C (802.11G: IEEE STD 802.11G/D8.2-APR 2003 Part 11 Paragraph 19.5.1) | |
|---|-----|
| 6Mbps | -95 |
| 9Mbps | -95 |
| 12Mbps | -93 |
| 18Mbps | -92 |
| 24Mbps | -89 |
| 36Mbps | -87 |
| 48Mbps | -84 |
| 54Mbps | -79 |

5.0 GHz Radio (5GHz, 11a)

| Typical Sensitivity at Each RF Chain. Frame (1000-BYTE PDUS) Error Rate <10% at Room Temp. 25° C (Should Comply to 802.11N: IEEE STD 802.11A-1999 Part 11 Paragraph 17.3.10.1) | |
|--|--|
| 6Mbps | |
| 9Mbps | |
| 12Mbps | |
| 18Mbps | |
| 24Mbps | |
| 36Mbps | |
| 48Mbps | |
| 54Mbps | |

2.4 GHz Wi-Fi Radio (2.4GHz, 11g)

| Typical Sensitivity at Each RF Chain. Frame (1000-BYTE PDUS) Error Rate <10% at Room Temp. 25° C (Should Comply to 802.11N: IEEE P802.11N- SEP 2009 Table 20.22) | | |
|--|--------------|--------------|
| Rate | 20 MHz (dBm) | 40 MHz (dBm) |
| (MCS0) | | |
| (MCS1) | | |
| (MCS2) | | |
| (MCS3) | | |
| (MCS4) | | |
| (MCS5) | | |
| (MCS6) | | |
| (MCS7) | | |
| (MCS8) | | |
| (MCS9) | | |
| (MCS10) | | |
| (MCS11) | | |
| (MCS12) | | |
| (MCS13) | | |
| (MCS14) | | |
| (MCS15) | | |

5.0 GHz Radio (5GHz, 11ac)

| Typical Sensitivity at Each RF Chain. Frame (1000-BYTE PDUS) Error Rate <10% at Room Temp. 25° C (Should Comply to 802.11ac) | | | |
|--|--------------|--------------|--------------|
| Rate | 20 MHz (dBm) | 40 MHz (dBm) | 80 MHz (dBm) |
| (MCS0, 1) | | | |
| (MCS1, 1) | | | |
| (MCS2, 1) | | | |
| (MCS3, 1) | | | |
| (MCS4, 1) | | | |
| (MCS5, 1) | | | |
| (MCS6, 1) | | | |
| (MCS7, 1) | | | |
| (MCS8, 1) | | | |
| (MCS9, 1) | | | |
| (MCS0, 2) | | | |
| (MCS1, 2) | | | |
| (MCS2, 2) | | | |
| (MCS3, 2) | | | |
| (MCS4, 2) | | | |
| (MCS5, 2) | | | |
| (MCS6, 2) | | | |
| (MCS7, 2) | | | |
| (MCS8, 2) | | | |
| (MCS9, 2) | | | |

IoT Radio Sensitivity

| Typical Receiver Sensitivity | dBm |
|------------------------------|-----|
| Bluetooth Low Energy | |
| 802.15.4 | |

Warranty

As a customer-centric company, Extreme Networks is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or media replaced as soon as possible.

For full warranty terms and conditions please go to: support.extremenetworks.com

Service and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimization of customer networks, customized technical training, to service and support tailored to individual customer needs.

Please contact your Extreme Networks account executive for more information about Extreme Networks Service and Support.



<http://www.extremenetworks.com/contact> / Phone +1-408-579-2800

©2017 Extreme Networks, Inc. All rights reserved. Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries. All other names are the property of their respective owners. For additional information on Extreme Networks Trademarks please see <http://www.extremenetworks.com/company/legal/trademarks>. Specifications and product availability are subject to change without notice. 12525-0917-30