Neutron Series
Indoor Managed Access Points
High Performance Reliability

EnGenius’ Neutron Series line of Managed Indoor Access Points provides wireless connectivity that’s flexible, scalable and reliable for a broad range of indoor applications.

Whether you are looking to connect a luxury home or office or need to provide ultra-fast Wi-Fi access to a large resort or campus, Neutron EWS Access Points meet the high-bandwidth requirements and features of today’s BYOD users.

No matter what size network you need to support, Neutron EWS Access Points are flexible enough to meet your needs. Start small and grow or go big. Deploy and manage a few or 1,000+ APs on an unlimited number of networks distributed across various locations—regardless of their size and infrastructures. Neutron Series easily scales with your networking needs.

Features & Benefits

• High-Capacity 11ac Wave 2 Speeds up to 2.5 Gbps
• Dual-Radio MU-MIMO Improves Performance, Expands Capacities
• Beamforming Technology Optimizes Signal, Reception & Reliability
• Operate as a Stand-Alone AP or Centrally Manage via Switch
• Remotely Manage 1-1,000+ APs via ezMaster™
• Versatile 4x4, 3x3 & 2x2 11ac & Single-Band 11n Models
• No Access Point Licensing or Subscription Fees
• GigE PoE-Compliant Ports Expand Deployment & Power Options
• Low-Profile Ceiling, Wall-Mount & Wall Plate Designs Blend With Environment
• Mesh Wireless Support Simplifies Setup, Optimizes Signals & Self-Heals (Select Models)
Ultra-Fast 11ac Wave 2 Speeds

EnGenius’ 11ac Wave 2 Access Points deliver the highest available speeds for Wi-Fi devices reaching 2.5 Gbps. Beamforming technology focuses signals directly to client devices, providing optimal, reliable reception even in densely crowded environments. Four spatial streams and dual-concurrent MU-MIMO radio operation sends beams to multiple users simultaneously, creating increased network capacity.

Secure Guest Networks

Organizations that offer Internet access to patrons or visitors—notably hotels, retail shops and restaurants—will appreciate Neutron’s guest network capabilities. Establish a secure guest network that blocks access to main corporate computers. Create separate Virtual LANs for increased security, network reliability and bandwidth conservation.

Flexibility in Deployment

Neutron’s versatile line of high-performance, managed, indoor ceiling- and wall-mount access points range from single-band 11n models to high-capacity 4x4 dual-band 11ac Wave 2 versions. Wall plate models serve as all-in-one communication “hubs” for in-room wireless connectivity. Configure APs individually as stand-alone units, locally manage up to 50 per Neutron Switch or use ezMaster software to control 1,000+ APs.

Optimize Connectivity With Wireless Mesh On Selected Models

Utilize mesh access point mode on select Neutron APs for retrofit or new install applications where wire runs are not possible. Mesh’s smart sensing technology adds devices quickly, optimizes routes between APs, and automatically self-heals the network in the event an AP should ever lose connection.

Protected by Advanced Encryption

With Neutron EWS APs, your network is protected from attacks at multiple levels through advanced wireless encryption standards such as Wi-Fi Protected Access Encryption and authentication. Network threats are quickly detected and avoided through rogue AP detection, email alerts and real-time wireless invasion monitoring, allowing for immediate action to divert network hacks and other security threats.

Power-over-Ethernet Convenience

All Neutron EWS Access Points feature at least one Gigabit PoE port, enabling placement in discreet locations where power outlets are scarce or unavailable. Power the APs through a connected Ethernet cable directly to a Neuron Managed Gigabit PoE+ Switch or with a PoE adapter up to 328 feet from the power source.

Simplified Deployment & Provisioning

In combination with Neutron Switches and ezMaster Network Management Software, Neutron EWS APs are automatically discovered and provisioned. One-click individual or bulk configurations and upgrades save time. In addition, these access points are quickly and easily deployed and operated by users with limited networking experience.

Manage Up to 50 APs with Neutron Switches

In small settings, any Neutron Managed Switch can act as a wireless controller capable of managing up to 50 Neutron EWS Access Points. IT administrators have access to all connected Neuron devices and a full array of Layer 2 management tools. Choose between 8, 24, and 48-Port PoE+ switch models with flexible deployment and management options.
Flexible Distributed Network Management

ezMaster Network Management Software expands the flexibility and scalability of Neutron Series EWS Managed Access Points and Switches.

ezMaster allows organizations, such as branch offices and managed service providers, to easily and affordably deploy, monitor and manage a large number of Neutron APs, Switches and IP Cameras across geographically diverse properties. Centrally manage an unlimited number of independent distributed networks in the same subnet or cross-subnets from a single, at-a-glance network dashboard, no matter where they’re located.

Deploy ezMaster locally, remotely or via a Cloud-based service with or without an onsite controller.

Powerful, Scalable Options

ezMaster scales with your growing business needs. Manage 1,000+ Neutron EWS devices and 10,000+ concurrent users. Together, Neutron APs, Switches and ezMaster provide a flexible, fully integrated solution with redundancy support and future expandability for broader device connectivity.

System Requirements

Recommended environment for managing up to 500 APs
CPU: Intel® Core™ i7 quad-core or above
RAM: 4 GB minimum
HDD: 500 GB (actual requirement dependent on log size)
OS: Microsoft® Windows® 7 or later + VMware® Player 7.0 or compatible virtualization software

Recommended environment for managing 1,000+ APs
CPU: Intel® Xeon® Processor E3 or above
RAM: 4 GB minimum
HDD: 500 GB (actual requirement dependent on log size)
OS: Microsoft® Windows® 7 or later + VMware® Player 7.0 or compatible virtualization software

Browser Requirements
Internet Explorer 10 or better
Firefox 34.0 or better
Chrome 31.0 or better
Safari 8.0 or better

Network Topology Requirements
At sites where APs are deployed: A DHCP-enabled network for APs to obtain an IP address

Simplified Device Management

ezMaster Network Management Software makes centralized device management easy. How? Through bulk configuration, provisioning and monitoring, a comprehensive at-a-glance network dashboard, rich analytics and reporting, and much more.

ezMaster Software Features

• Centralized Management
  - Configure, Managed & Monitor 1,000+ Neutron Devices
  - Cross-Network AP Management
  - AP Group Configuration

• Access Point Configuration & Management
  - Auto Channel Selection
  - Auto Tx Power
  - Background Scanning
  - Band Steering (Auto Band Steering & Band Balancing)
  - Client Isolation
  - Client Limiting
  - Fast Roaming
  - L2 Isolation
  - LED On/Off Control
  - Multiple SSID
  - RSSI Threshold
  - Secure Guest Network
  - Traffic Shaping
  - VLAN Isolation
  - VLAN Tag

• Comprehensive Monitoring
  - Device Status Monitoring
  - Floor Plan View
  - Map View
  - Rogue AP Detection
  - System Status Monitoring
  - Visual Topology View
  - Wireless Client Monitoring
  - Wireless Coverage View
  - Wireless Traffic & Usage Statistics

• Management & Maintenance
  - Bulk Firmware Upgrade
  - Traffic Shaping
  - Captive Portal
  - Email Alert
  - Kick/Ban Clients
  - One-Click Update
  - Remote Logging
  - Scheduling
  - Seamless Migration
  - Syslog
## Technical Specifications

### Frequency

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>2.4 and 5 GHz Frequency Bands</td>
<td></td>
</tr>
</tbody>
</table>

### Standards

<table>
<thead>
<tr>
<th>Models</th>
<th>EWS310AP/EWS350AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE 802.11a/b/g/n</td>
<td></td>
</tr>
<tr>
<td>IEEE 802.11a/b/g/n/ac</td>
<td></td>
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</tbody>
</table>

### Radio I

<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>11b/g/n: 2.412–2.484 GHz</td>
<td></td>
</tr>
</tbody>
</table>

### Radio II (Dual-Band models only)

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11a/n/ac: 5.18-5.24 &amp; 5.26-5.32 &amp; 5.5-5.7 &amp; 5.745-5.825 GHz</td>
<td></td>
</tr>
</tbody>
</table>

### Data Rates

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EWS310AP Up to 300 Mbps on both frequency bands</td>
<td></td>
</tr>
<tr>
<td>EWS350AP Up to 300 Mbps on 2.4 GHz; Up to 867 Mbps on 5 GHz</td>
<td></td>
</tr>
<tr>
<td>EWS360AP Up to 450 Mbps on 2.4 GHz; Up to 1300 Mbps on 5 GHz</td>
<td></td>
</tr>
<tr>
<td>EWS370AP/EWS371AP Up to 2.5 Gbps; Up to 800 Mbps on the 2.4 GHz band; Up to 1,733 Mbps on the 5 GHz band</td>
<td></td>
</tr>
<tr>
<td>EWS330AP/EWS355AP/EWS550AP Up to 400 Mbps on 2.4 GHz; Up to 867 Mbps on 5 GHz</td>
<td></td>
</tr>
</tbody>
</table>

### Power Consumption

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EWS310AP Up to 15.6W</td>
<td></td>
</tr>
<tr>
<td>EWS330AP Up to 12W</td>
<td></td>
</tr>
<tr>
<td>EWS350AP Up to 18W</td>
<td></td>
</tr>
<tr>
<td>EWS355AP Up to 12W</td>
<td></td>
</tr>
<tr>
<td>EWS360AP Up to 22.8W</td>
<td></td>
</tr>
<tr>
<td>EWS370AP Up to 21W</td>
<td></td>
</tr>
<tr>
<td>EWS371AP Up to 21W</td>
<td></td>
</tr>
<tr>
<td>EWS510AP Up to 10.8W</td>
<td></td>
</tr>
<tr>
<td>EWS550AP Up to 10W</td>
<td></td>
</tr>
</tbody>
</table>

### Ethernet Ports

<table>
<thead>
<tr>
<th>Models</th>
<th>EWS360AP/EWS355AP/EWS350AP/EWS330AP/EWS310AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x Gig Port (PoE+)</td>
<td></td>
</tr>
<tr>
<td>2 x Gig Port (PoE+)</td>
<td></td>
</tr>
<tr>
<td>1 x Gig Port (PoE)</td>
<td></td>
</tr>
<tr>
<td>1 x GigE Uplink 2 x GigE Switched 1 x GigE Switched PoE+ 2 x RJ45 Pass-Through 2 x 110 Punch-down</td>
<td></td>
</tr>
</tbody>
</table>

### Power-over-Ethernet

<table>
<thead>
<tr>
<th>Models</th>
<th>EWS360AP/EWS355AP/EWS350AP/EWS330AP/EWS310AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>802.3at</td>
<td></td>
</tr>
<tr>
<td>802.3at</td>
<td></td>
</tr>
<tr>
<td>802.3af</td>
<td></td>
</tr>
<tr>
<td>802.3af/at</td>
<td></td>
</tr>
</tbody>
</table>

### Power Consumption (Peak)

<table>
<thead>
<tr>
<th>Models</th>
<th>EWS360AP/EWS355AP/EWS350AP/EWS330AP/EWS310AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>21W</td>
<td></td>
</tr>
<tr>
<td>21W</td>
<td></td>
</tr>
<tr>
<td>21W</td>
<td></td>
</tr>
<tr>
<td>21W</td>
<td></td>
</tr>
<tr>
<td>15.6W</td>
<td></td>
</tr>
<tr>
<td>10W</td>
<td></td>
</tr>
</tbody>
</table>

### Integrated Antenna

<table>
<thead>
<tr>
<th>Models</th>
<th>EWS360AP/EWS355AP/EWS350AP/EWS330AP/EWS310AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 3 dBi (RP-SMA)</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### External Antenna

<table>
<thead>
<tr>
<th>Models</th>
<th>EWS360AP/EWS355AP/EWS350AP/EWS330AP/EWS310AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
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</tbody>
</table>
## Technical Specifications continued

### Antennas

<table>
<thead>
<tr>
<th>Model</th>
<th>2.4 GHz Antennas</th>
<th>5 GHz Antennas</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWS310AP</td>
<td>2 x 5 dBi Internal</td>
<td>2 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS330AP</td>
<td>2 x 5 dBi Internal</td>
<td>2 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS350AP</td>
<td>2 x 5 dBi Internal</td>
<td>2 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS355AP</td>
<td>2 x 5 dBi Internal</td>
<td>2 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS360AP</td>
<td>2 x 5 dBi Internal</td>
<td>2 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS370AP</td>
<td>3 x 5 dBi Internal</td>
<td>3 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS371AP</td>
<td>4 x 3 dBi Detachable</td>
<td>4 x 3 dBi Detachable</td>
</tr>
<tr>
<td>EWS510AP</td>
<td>2 x 4 dBi Internal</td>
<td>2 x 5 dBi Internal</td>
</tr>
<tr>
<td>EWS550AP</td>
<td>2 x 4 dBi Internal</td>
<td>2 x 6 dBi Internal</td>
</tr>
</tbody>
</table>

### Physical Interface

<table>
<thead>
<tr>
<th>Model</th>
<th>2.4 GHz Switched Ports</th>
<th>5 GHz Switched Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWS310AP</td>
<td>1 x RJ45 1/10/100 Mbps — PoE Capable</td>
<td>- 802.3af PoE Input (EWS360AP)</td>
</tr>
<tr>
<td></td>
<td>- 802.3at PoE Input (EWS310AP / EWS350AP / EWS355AP)</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td></td>
<td>1 x RJ45 1/10/100 Mbps — PoE Capable</td>
<td>- 802.3af PoE Input</td>
</tr>
<tr>
<td></td>
<td>- 802.3at PoE Input</td>
<td>1 x DC Power</td>
</tr>
<tr>
<td>EWS330AP</td>
<td>2 x RJ45 1/10/100 Mbps Ports (Link Aggregation Achieves 2 Gbps Throughput)</td>
<td>- LAN1: 802.3at PoE Input</td>
</tr>
<tr>
<td></td>
<td>- LAN2: Pass-Through Port</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td></td>
<td>1 x DC Power Connector</td>
<td>1 x Kensington Lock Slot</td>
</tr>
<tr>
<td>EWS350AP</td>
<td>1 x 10/100/1000 Mbps Uplink Port with 802.3af/at PoE</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td></td>
<td>1 x 10/100 Mbps Switched Ports</td>
<td>1 x DC Power Connector</td>
</tr>
<tr>
<td></td>
<td>2 x RJ45 Pass-Through Ports</td>
<td>1 x Kensington Lock Slot</td>
</tr>
<tr>
<td>EWS355AP</td>
<td>1 x Uplink</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td>EWS360AP</td>
<td>1 x 10/100/1000 Mbps Uplink Port</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td>EWS370AP</td>
<td>2 x RJ45 Pass-Through Ports</td>
<td>1 x Kensington Lock Slot</td>
</tr>
<tr>
<td>EWS371AP</td>
<td>1 x 110 Punch Down Block</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td>EWS510AP</td>
<td>1 x DC Power Connector</td>
<td>1 x Kensington Lock Slot</td>
</tr>
<tr>
<td>EWS550AP</td>
<td>1 x 10/100 Mbps Switched Ports</td>
<td>1 x Reset Button</td>
</tr>
<tr>
<td>EWS555AP</td>
<td>3 x 10/100 Mbps Switched Ports</td>
<td>1 x Kensington Lock Slot</td>
</tr>
</tbody>
</table>

### LED Indicators

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
<th>2.4 GHz</th>
<th>5 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWS310AP/EWS330AP/EWS350AP/EWS355AP/EWS360AP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EWS330AP/EWS355AP/EWS370AP/EWS371AP/EWS550AP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EWS510AP/EWS550AP/EWS555AP</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Power Requirements

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply: 100 to 240 VDC ± 10%, 50/60 Hz (depends on different countries)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWS310AP</td>
<td>Active Ethernet (Power-over-Ethernet, IEEE 802.3at/af)</td>
</tr>
<tr>
<td>EWS330AP</td>
<td>12 V/1A</td>
</tr>
<tr>
<td>EWS350AP</td>
<td>12 V/2A</td>
</tr>
<tr>
<td>EWS370AP</td>
<td>12 V/2A</td>
</tr>
<tr>
<td>EWS510AP</td>
<td>48V/0.8A</td>
</tr>
<tr>
<td>EWS550AP</td>
<td>Power-over-Ethernet with 802.3at in Modulations</td>
</tr>
</tbody>
</table>

### Modulations

- OFDM: BPSK, QPSK, 26-QAM (EWS300AP) 16-QAM, 64-QAM, 256-QAM (EWS371AP/EWS370AP/EWS550AP/EWS330AP/EWS300AP) DBPSK, DQPSK, CCK

### Radio Technologies

- 802.11b: Direct-Sequence Spread Spectrum (DSSS)
- 802.11a/g/n/ac: Orthogonal Frequency Division Multiplexing (OFDM)

### Operating Channels

- 2.4 GHz US/Canada 1-11
- 5 GHz (Dual-Band models only): Country dependent for the following ranges: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165

### Operation Modes

- Access Point
- Mesh (EWS360AD/EWS350AP/EWS355AP/EWS330AP/EWS550AP)

### Multiple BSSID

- Supports up to 8 unique SSIDs for both 2.4 GHz & 5 GHz

### SSID-to-VLAN Tagging

- Supports 802.1q SSID-to-VLAN Tagging

### Spanning Tree

- Supports 802.1d Spanning Tree Protocol

### Wireless

- EWS310AP/EWS310AP Wireless Mode: 11a/11b/11g/11n
- EWS330AP/EWS335AP/EWS360AP/EWS370AP/EWS371AP/EWS550AP Wireless Mode: 11a/11b/11g/11n/11ac
- All EWS 11ac APs
- Channel Bandwidth (Auto, 20 MHz, 40 MHz, 80 MHz)
- EWS310AP/EWS510AP
- Channel Bandwidth (Auto, 20 MHz, 40 MHz)
- EWS310AP/EWS370AP
- Channel Bandwidth (Auto, 20 MHz, 40 MHz)
- EWS350AP/EWS371AP
- Channel Bandwidth (Auto, 20 MHz, 40 MHz)
- EWS510AP/EWS550AP
- Channel Bandwidth (Auto, 20 MHz, 40 MHz)
- EWS555AP
- Channel Bandwidth (Auto, 20 MHz, 40 MHz)
- EWS330AP/EWS370AP/EWS371AP/EWS550AP
- Channel Bandwidth (Auto, 20 MHz, 40 MHz)

### Rx Beamforming (Rx BF)

- EWS330AP/EWS355AP/EWS370AP/EWS371AP/EWS550AP/EWS555AP

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Technical Specifications continued

SU-MIMO
EWS370AP/EWS371AP
(4) Spatial Streams to 1733Mbps to single client
EWS330AP/EWS355AP/EWS550AP
(2) Spatial Streams to 1267 Mbps to single client

MU-MIMO
EWS370AP/EWS371AP
3) Spatial Stream up to 1267 Mbps to (2) Clients
MU-MIMO-Capable Devices Simultaneously
EWS330AP/EWS355AP/EWS550AP
(2) Spatial Stream to 1267 Mbps to (2) Clients
MU-MIMO Capable Devices Simultaneously

Stand-Alone Management Features
Auto Channel Selection
Auto Transmit Power
Wireless STA (Client) Connected List
Captive Network (Guest Network)
Fast Roaming (802.11k & 802.11r)
Pre-Authentication (802.11i, 802.11x)
PMK Caching (802.11i)
RSSI Threshold
Band Steering per SSID
Traffic Shaping
VLANs for Access Point – Multiple SSIDs
MAC Address Filtering
Backup/Restore Settings
Power Save Mode
Auto Reboot
E-Mail Alert
Site Survey
Save Configuration as Default
Background Scanning
Client Fingerprinting
Multicast to Unicast
Captive Portal
Wi-Fi Scheduler
RADIUS Accounting

Wireless Management Features (with ezMaster & Neutron Switch)
Access Point Auto Discovery and Provisioning
Access Point Auto IP Assignment
Access Point Group Management
Remote Access Point Rebooting
Access Point Device Name Editing
Access Point Radio Settings
Band Steering per SSID
Traffic Shaping
Fast Roaming (802.11k & 802.11r)
Pre-Authentication (802.11i & 802.11x)
PMK Caching (802.11i)
RSSI Threshold
Access Point Client Limiting

Wireless Management Features (with ezMaster & Neutron Switch) continued
Client Fingerprinting
Wireless Security (WEP, WPA/WPA2 Enterprise, WPA/WPA2 PSK)
AP VLAN Management
VLANs for Access Point – Multiple SSIDs
Secured (Guest Network)
Captive Portal
Access Point Status Monitoring
Rogue AP Detection
Wireless Client Monitoring
Background Scanning
Email Alert
Wireless Traffic & Usage Statistics
Real-Time Throughput Monitoring
Visual Topology View
Floor Plan View
Map View
Wireless Coverage Display
Secure Control Messaging (SSL Certificate)
Local MAC Address Database
Remote MAC Address Database (RADIUS)
Unified Configuration Import/Export
Bulk Firmware Upgrade Capability
Multi-Tenant
One-Click Update
Intelligent Diagnostics
Kick/Ban Clients
Wi-Fi Scheduler

Tx Power Control
Adjust Transmit Power by dBm

Configuration
Web-based Configuration (http)

Firmware Upgrade
Via Web Browser

Administrator Settings
Administrator Username and Password Change

MIB
MIB I, MIB II (RFC1213) and private MIB

System Monitoring
Status Statistic and Event Log

SNMP
V1/V2c/V3

Reset Settings
Reboot (press and hold for 2 seconds).
Reset to Factory Default (press and hold for 10 seconds)

Auto-Channel Selection
Automatically Selecting Least Congested Channel

Bandwidth Measurement
IP Range and Bandwidth Management

Schedule Reboot
Reboot Access Point by Minute, Hour, Day, or Week

Backup and Restore
Save and Restore Settings via Web Interface

CLI
Supports Command Line Interface

Diagnosis
IP Pinging Statistics

Log
SysLog and Local Log Support

LED Control
On/Off

AP Detection
Scanning for Available EnGenius APs

Wireless Security
WPA2 Personal (WPA-PSK using AES)
WPA2 Enterprise (WPA-EAP using AES)
802.1X RADIUS Authenticator: MD5/TLS/TTLS, PEAP
SSID Broadcast Enable/Disable
MAC Address Filtering, Up to 50 Entries
L2 Isolation

QoS (Quality of Service)
IEEE 802.11e
WMM (Wireless Multimedia)

Temperature Range
Operating: 32°F to 104°F (0°C to 40°C)
Storage Temperature: -40°F to 176°F (-40°C to 80°C)

Humidity (non-condensing)
Operating: 90% or less
Operating: 90% or less
Technical Specifications continued

**Physical Security**
Kensington Security Slot (N/A for EWS510AP)

**Device Dimensions and Weights**

**EWS310AP**
- Weight: 0.80 lbs. (362.8 g)
- Length: 6.36" (161.5 mm)
- Width: 6.36" (161.5 mm)
- Height: 1.64" (41.6 mm)

**EWS330AP**
- Weight: 0.41 lbs. (18 g)
- Diameter: 5.11" (130 mm)
- Height: 1.57" (40 mm)

**EWS350AP / EWS355AP / EWS360AP**
- Weight: 0.80 lbs. (362.8 g)
- Length: 6.5" (165.1 mm)
- Width: 6.5" (165.1 mm)
- Height: 1.64" (41.6 mm)

**EWS370AP / EWS371AP**
- Weight: 3.7 lbs. (1.67 kg)
- Length: 8.46" (215 mm)
- Width: 8.46" (215 mm)
- Height: 2.2" (55.8 mm)

**EWS310AP / EWS350AP / EWS355AP / EWS360AP**
- Weight: 0.65 lbs. (296 g)
- Length: 1.45" (37 mm)
- Width: 4.33" (110 mm)
- Height: 5.19" (130 mm)

**EWS550AP**
- Weight: 1 lbs. (450 kg)
- Width: 4.9" (125 mm)
- Length: 7.4" (188 mm)
- Height: 1" (26 mm)

**Package Contents**
- T-Rail Mounting Kits
- Ceiling and Wall Mount Screw Kits
- Mounting Brackets
- Quick Installation Guide

**EWS310AP / EWS350AP / EWS355AP / EWS360AP**
- RJ45 Ethernet Cable

**EWS330AP**
- EWS330AP Dual-Band
- AC1300 Indoor Access Point
- Power Connector
- LED
- 10/100/1000 BASE-T, RJ-45
- Gigabit Ethernet Port
- Power Connector
- Reset

**Certifications**
- FCC, IC, CE

**Warranty**
- 1-Year Standard

*Note: No Power Adapter included in EWS330AP-3Pack and EWS550AP
EWS550AP Indoor Wall Plate Access Point

Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range may vary depending on distance between devices or traffic and bandwidth load in the network.

EnGenius Technologies | 1580 Scenic Ave. Costa Mesa, CA 92626
Email: partners@engeniustech.com | Phone: 888-735-7888 | Website: engeniustech.com
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