



The Neutron Series  
**Distributed Network Management Solution**

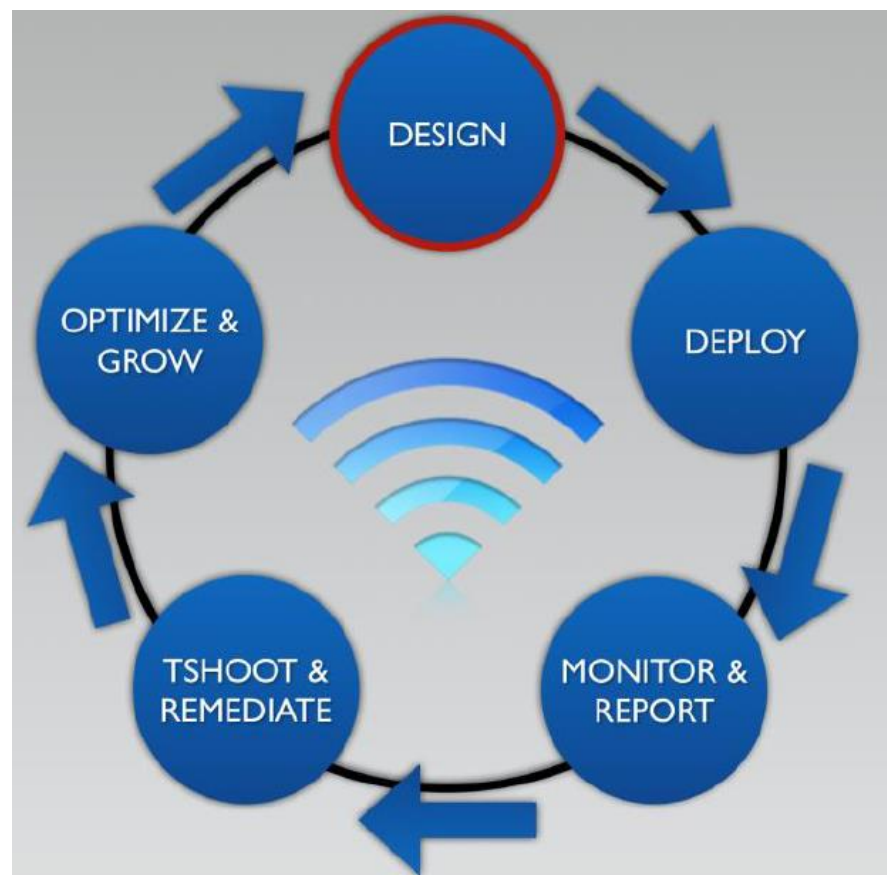




# Maintenance and Troubleshooting



- Design
  - Identify stakeholders
  - Gather requirements
  - Identify network components, locations, and settings
  - Standardize configurations
- Deploy
  - Provision and Install
  - Validate coverage / capacity performance
  - Document
- Monitor and Report
  - Continuously monitor performance
- Troubleshoot and Remediate
  - Identify and troubleshoot issues
  - Make changes and Document
- Optimize and Grow
  - Tune and optimize network
  - Identify areas for growth



- Local and remote (syslog) logging of events
- Email alerts customizable (i.e. control types of incidents reported by email)

The screenshot displays the EnGenius web interface. The left sidebar shows the navigation menu with 'Basic' and 'Advanced' sections. The 'Event Logs' link is selected, displaying a table of events. The 'Mail Alert' modal is open, showing the 'Mail Information Setting' form.

| Time            | Category | Severity | Message                                                        |
|-----------------|----------|----------|----------------------------------------------------------------|
| May 25 16:49:29 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 270562 seconds |
| May 25 16:47:52 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 25 16:46:42 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 270396 seconds |
| May 25 16:46:27 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 25 14:17:51 | Switch   | info     | EWS5912FP(00:13:32:33:88:86) online with uptime 784075 seconds |
| May 25 14:17:27 | Switch   | warning  | EWS5912FP(00:13:32:33:88:86) offline                           |
| May 25 07:30:19 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 237014 seconds |
| May 25 07:28:43 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 25 07:27:33 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 236847 seconds |
| May 25 07:27:17 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 25 04:47:57 | Switch   | info     | EWS5912FP(00:13:32:33:88:86) online with uptime 749882 seconds |
| May 25 04:47:33 | Switch   | warning  | EWS5912FP(00:13:32:33:88:86) offline                           |
| May 24 22:05:59 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 203153 seconds |
| May 24 22:04:06 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 24 22:02:56 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 202971 seconds |
| May 24 22:02:44 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 24 22:01:34 | Switch   | info     | EWS5912FP(00:02:6F:AA:AA:AB) online with uptime 202888 seconds |
| May 24 22:01:18 | Switch   | warning  | EWS5912FP(00:02:6F:AA:AA:AB) offline                           |
| May 24 19:17:55 | Switch   | info     | EWS5912FP(00:13:32:33:88:86) online with uptime 715679 seconds |

**Mail Alert**

**Mail Information Setting**

SMTP Server: smtp.gmail.com

SMTP Port: 465

Support SSL/TLS: ☒ Enable ☐ Disable

Authentication: ☒ Enable ☐ Disable

User Name: john.smith

Password:  ☐ show password

Mail Address: john.smith@gmail.com

**Apply**

EnGenius EWS7928P 24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

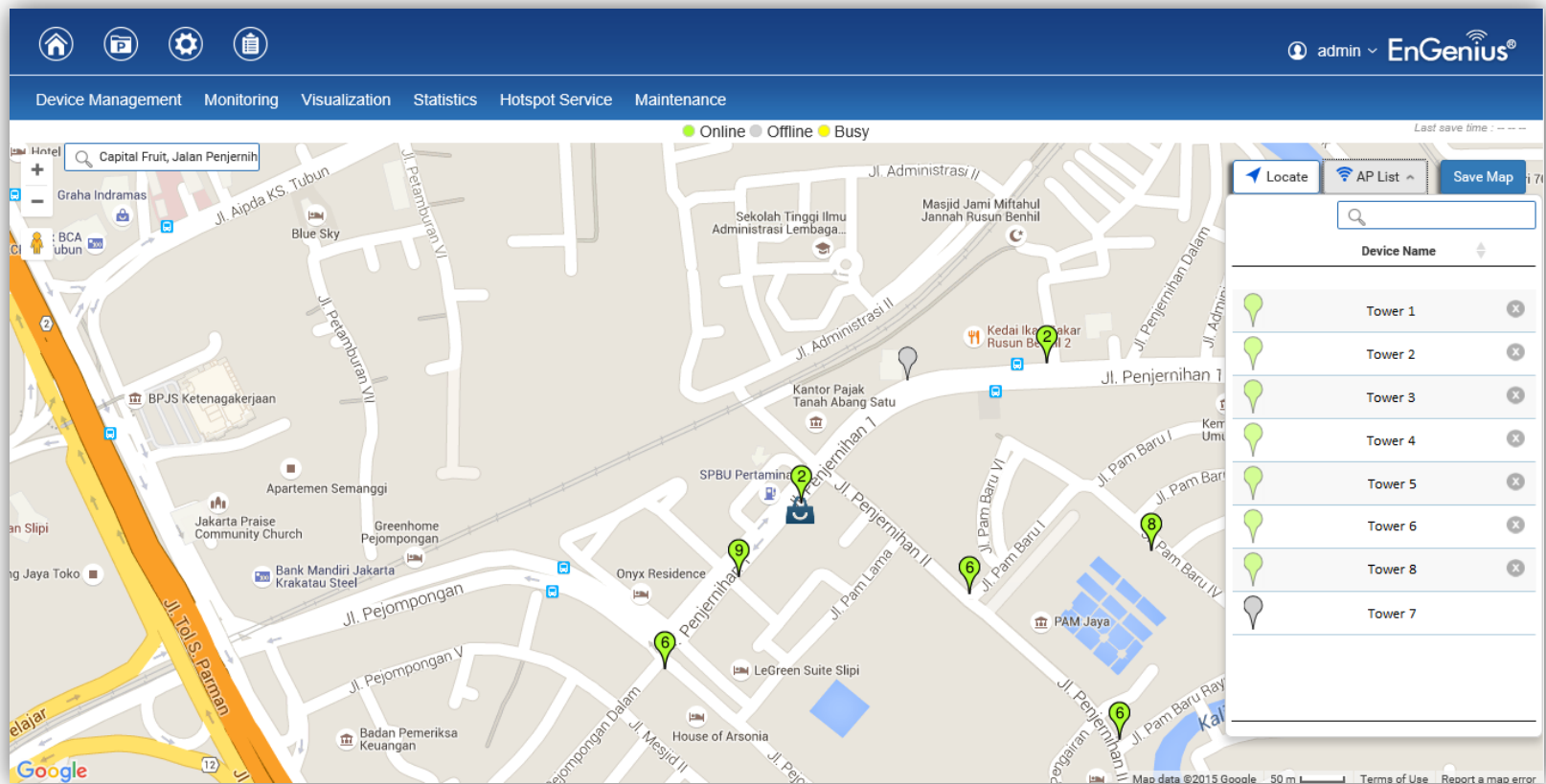
Controller | Switch

System  
L2 Feature  
VLAN  
Management  
ACL  
QoS  
Security  
Monitoring  
Port Statistics  
RMON  
Log  
Global Settings  
Local Logging  
Remote Logging  
Log Table  
Diagnostics

Select Log Target: RAM

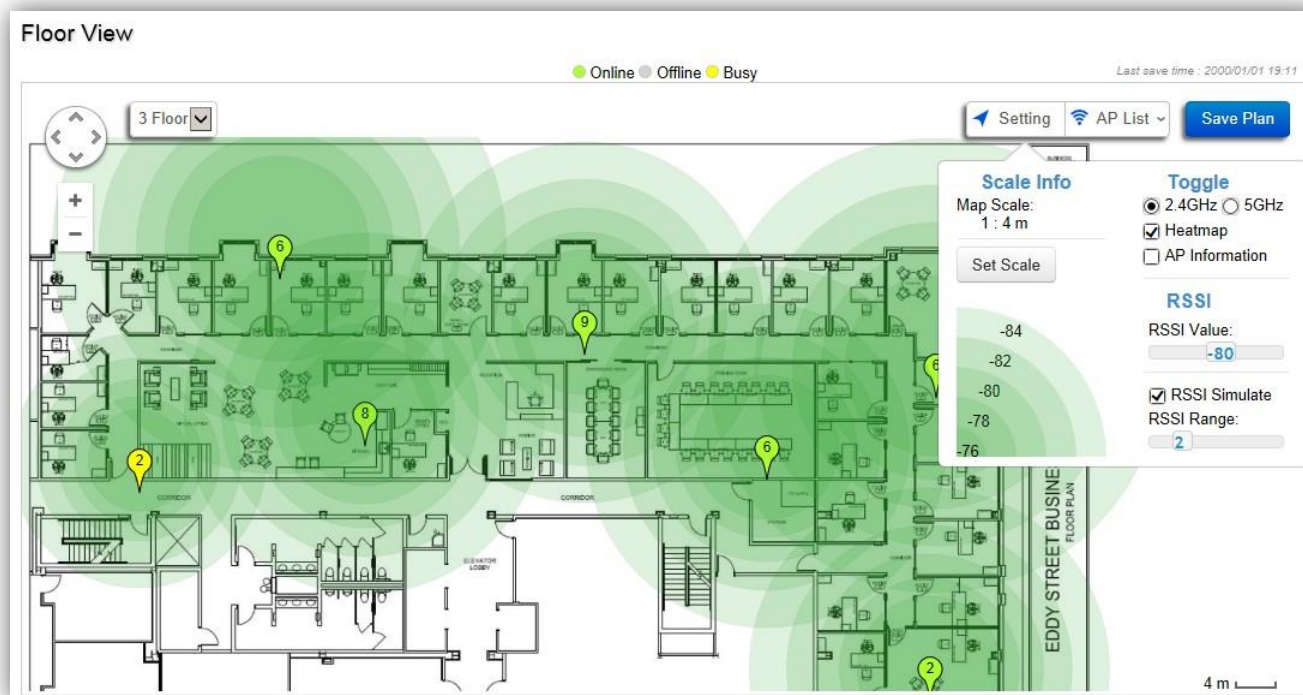
| No. | Timestamp       | Category | Severity | Message                                      |
|-----|-----------------|----------|----------|----------------------------------------------|
| 1   | Dec 31 19:34:22 | VLAN     | notice   | VLAN 64 name is changed to Voice             |
| 2   | Dec 31 19:34:22 | VLAN     | notice   | VLAN 64 is added, default name is VLAN0064   |
| 3   | Dec 31 19:33:21 | VLAN     | notice   | VLAN 32 name is changed to Device            |
| 4   | Dec 31 19:33:21 | VLAN     | notice   | VLAN 32 is added, default name is VLAN0032   |
| 5   | Dec 31 19:28:11 | VLAN     | notice   | VLAN 4000 name is changed to Mgmt            |
| 6   | Dec 31 19:28:11 | VLAN     | notice   | VLAN 4000 is added, default name is VLAN4000 |
| 7   | Dec 31 19:27:25 | VLAN     | notice   | VLAN 24 name is changed to User Wired        |
| 8   | Dec 31 19:27:25 | VLAN     | notice   | VLAN 24 is added, default name is VLAN0024   |
| 9   | Dec 31 19:26:40 | VLAN     | notice   | VLAN 16 name is changed to User WiFi         |
| 10  | Dec 31 19:26:40 | VLAN     | notice   | VLAN 16 is added, default name is VLAN0016   |
| 11  | Dec 31 19:25:36 | VLAN     | notice   | VLAN 8 name is changed to Staff              |
| 12  | Dec 31 19:25:36 | VLAN     | notice   | VLAN 8 is added, default name is VLAN0008    |
| 13  | Dec 31 19:07:37 | System   | notice   | web user admin authentication failed.        |
| 14  | Dec 31 19:00:47 | Platform | notice   | Port 5 PoE status is delivering power        |
| 15  | Dec 31 19:00:46 | System   | notice   | System Startup!                              |

- Overview of AP locations in a multi-building environment
- Useful for campus and/or mesh deployments

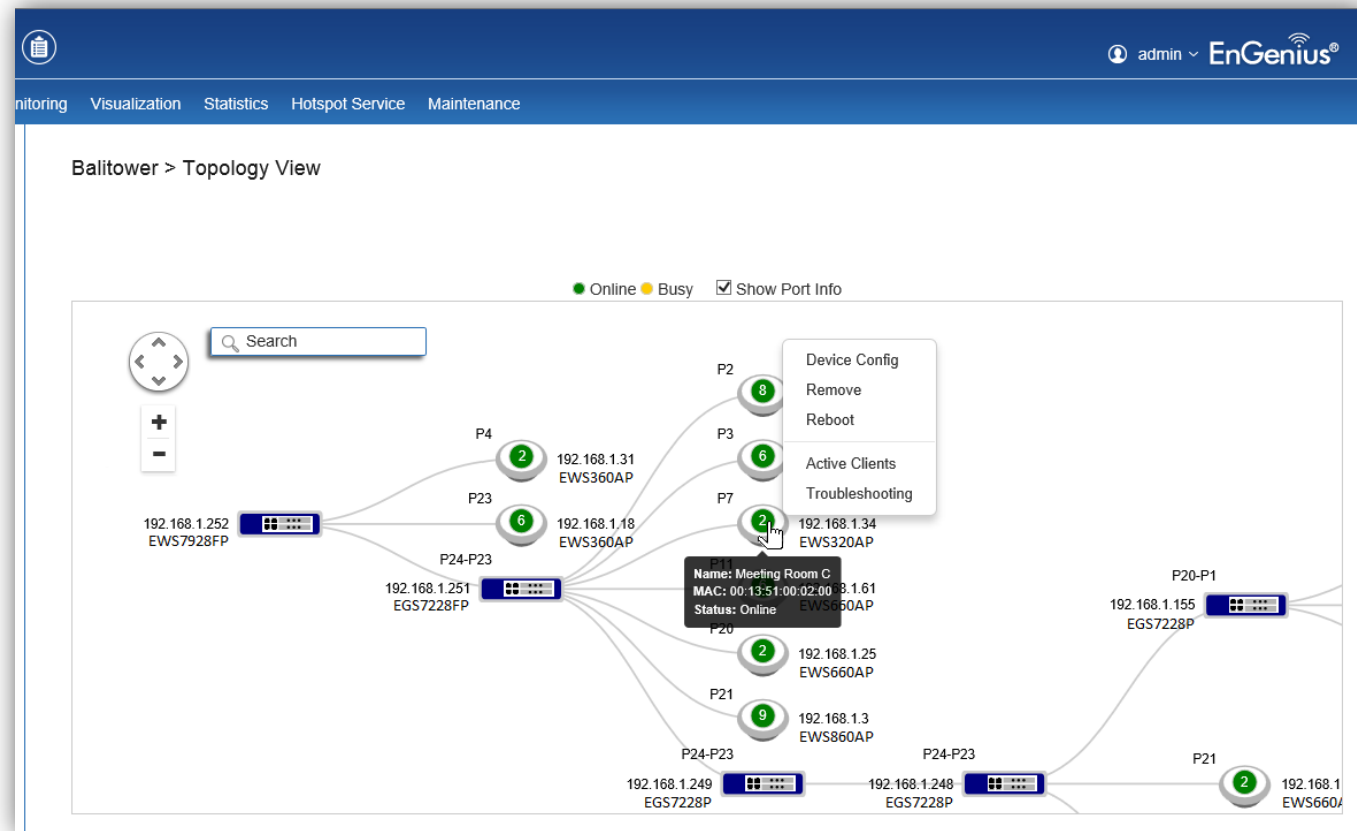




- Locate APs on floor plan image
- Accommodate multi-floor buildings with an image for each floor
- Estimate coverage area (does not account for structure)



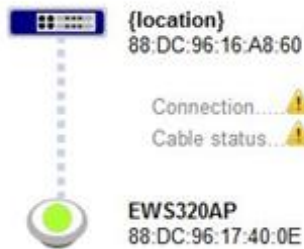
- Know exactly which port on a specific switch that a particular AP is plugged into
- Identify
  - Port info
  - Changes
  - Offline APs
  - 3<sup>rd</sup> party switches





## Troubleshooting

|                                     |                                                                                   | Status | Device Name | MAC Address       | IP Address   |
|-------------------------------------|-----------------------------------------------------------------------------------|--------|-------------|-------------------|--------------|
| <input checked="" type="checkbox"/> |  | Online | EWS320AP    | 88:DC:96:17:40:0E | 192.168.4.63 |

**Problem Information**

The network connectivity is unavailable. The cable is not connected (open). Please check the cable state.

- Basic Troubleshooting of Connectivity
- Enables quick identification and remediation of problems

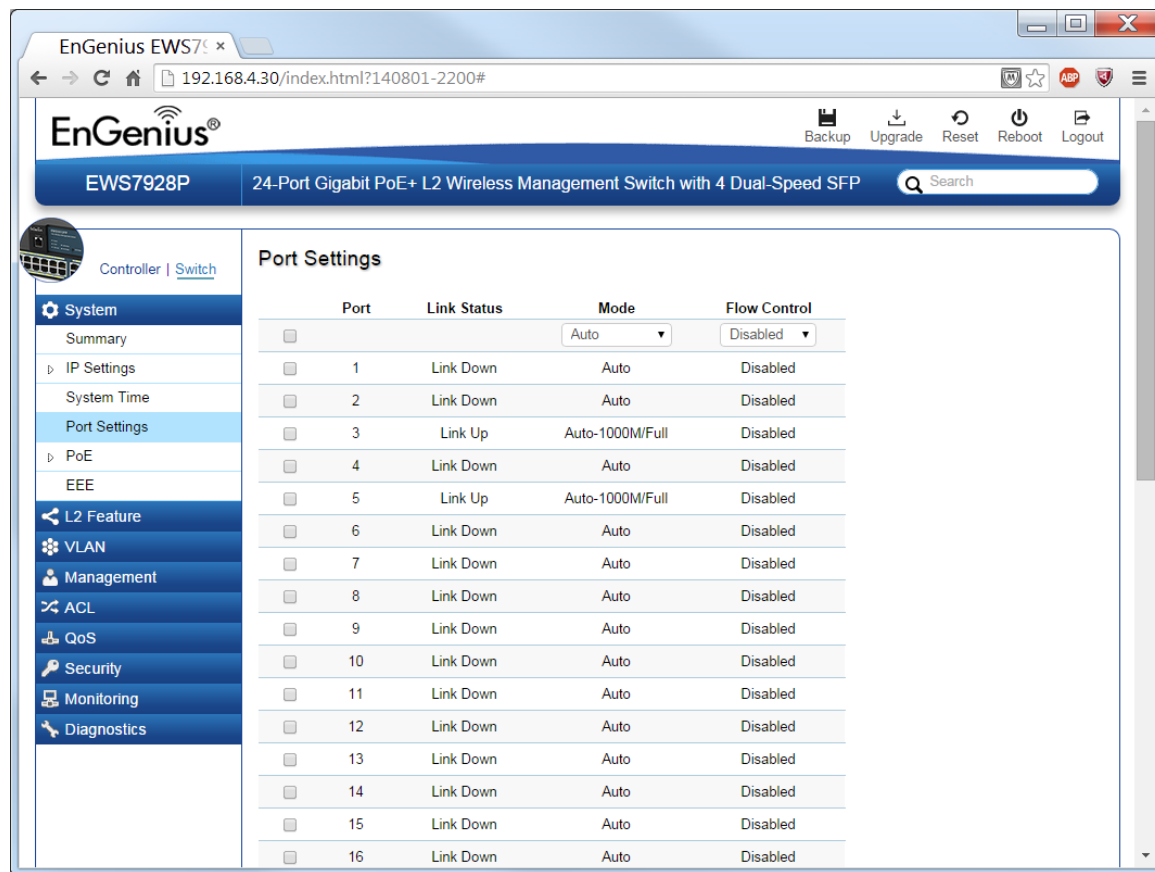
- **Cable Diagnostics:** Validates all four Ethernet cable pairs are connected to attached device
- **Ping:** Useful for validating backhaul, presence of other network devices, & Internet connectivity
- **Trace Route:** Useful for showing internet hops between network and remote server.

The screenshot displays the EnGenius web management interface for the EWS7928P switch. The top navigation bar includes the EnGenius logo, the device model 'EWS7928P', and the description '24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP'. On the right, there are icons for Backup, Upgrade, Reset, Reboot, and Logout, along with a search bar.

The left sidebar contains a menu with the following items: System, L2 Feature, VLAN, Management, ACL, QoS, Security, Monitoring, and Diagnostics. The Diagnostics menu is expanded, showing sub-options: Cable Diagnostics (highlighted), Ping Test, IPv6 Ping Test, and Trace Route.

The main content area is titled 'Cable Diagnostics'. It includes a note: 'Note: Cable length is only for reference and may be inaccurate when "OK" is indicated.' Below the note is a table with the following columns: Port, Pair A, Cable Length A (meter), Pair B, Cable Length B (meter), Pair C, Cable Length C (meter), Pair D, and Cable Length D (meter). The table shows results for Port 5, where all four pairs (A, B, C, D) are marked as 'OK'. A 'Test' button is located below the table.

| Port   | Pair A | Cable Length A (meter) | Pair B | Cable Length B (meter) | Pair C | Cable Length C (meter) | Pair D | Cable Length D (meter) |
|--------|--------|------------------------|--------|------------------------|--------|------------------------|--------|------------------------|
| Port 5 | OK     |                        | OK     |                        | OK     |                        | OK     |                        |



EnGenius EWS7928P 24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

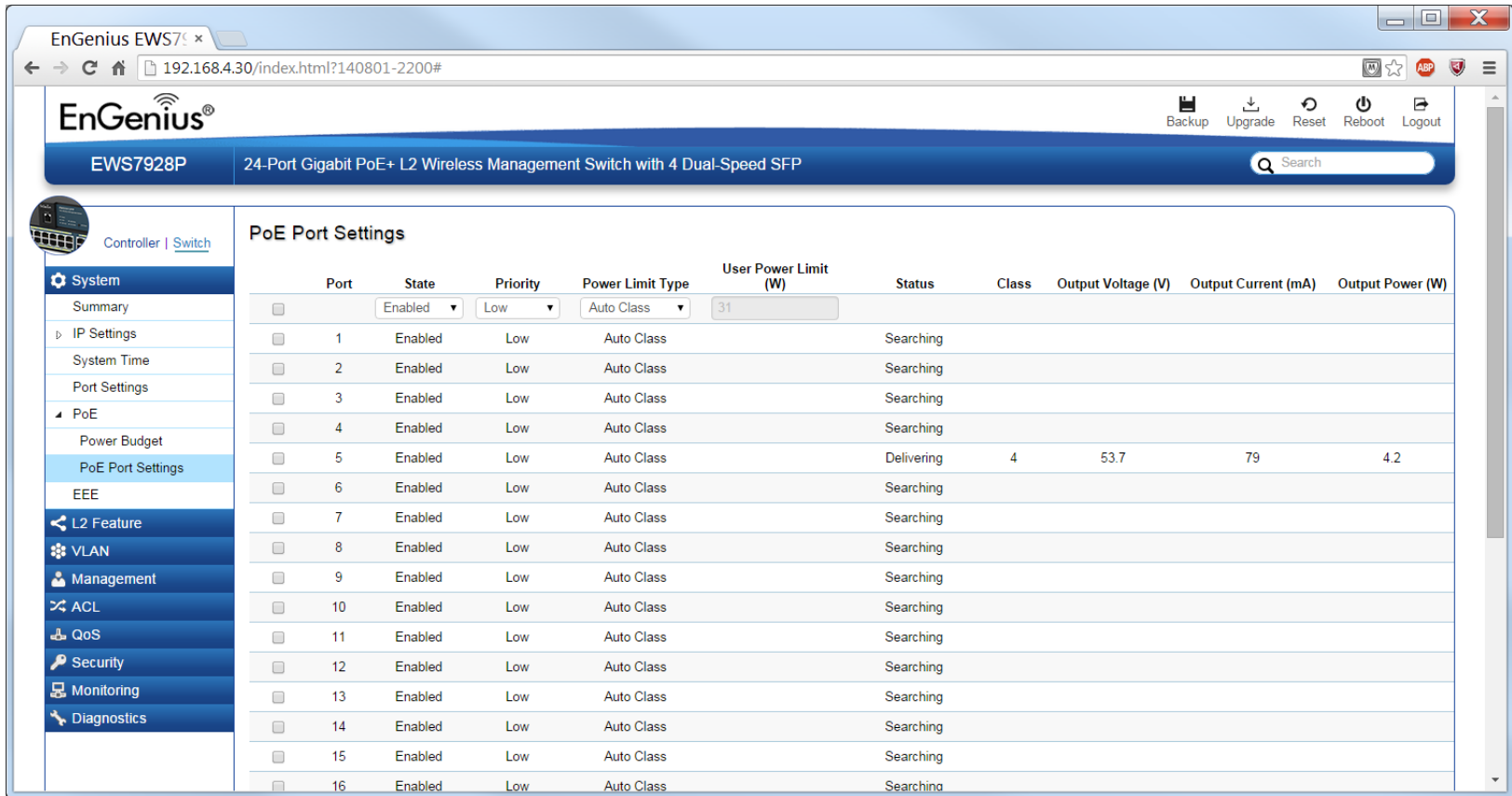
Controller | [Switch](#)

- System
  - Summary
  - IP Settings
  - System Time
  - Port Settings
  - PoE
  - EEE
- L2 Feature
- VLAN
- Management
- ACL
- QoS
- Security
- Monitoring
- Diagnostics

### Port Settings

| Port                        | Link Status | Mode            | Flow Control |
|-----------------------------|-------------|-----------------|--------------|
| <input type="checkbox"/>    |             | Auto            | Disabled     |
| <input type="checkbox"/> 1  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 2  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 3  | Link Up     | Auto-1000M/Full | Disabled     |
| <input type="checkbox"/> 4  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 5  | Link Up     | Auto-1000M/Full | Disabled     |
| <input type="checkbox"/> 6  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 7  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 8  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 9  | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 10 | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 11 | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 12 | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 13 | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 14 | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 15 | Link Down   | Auto            | Disabled     |
| <input type="checkbox"/> 16 | Link Down   | Auto            | Disabled     |

- Are access points and other devices connected?
- Are the link and duplex settings correct?



EnGenius EWS7928P 24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

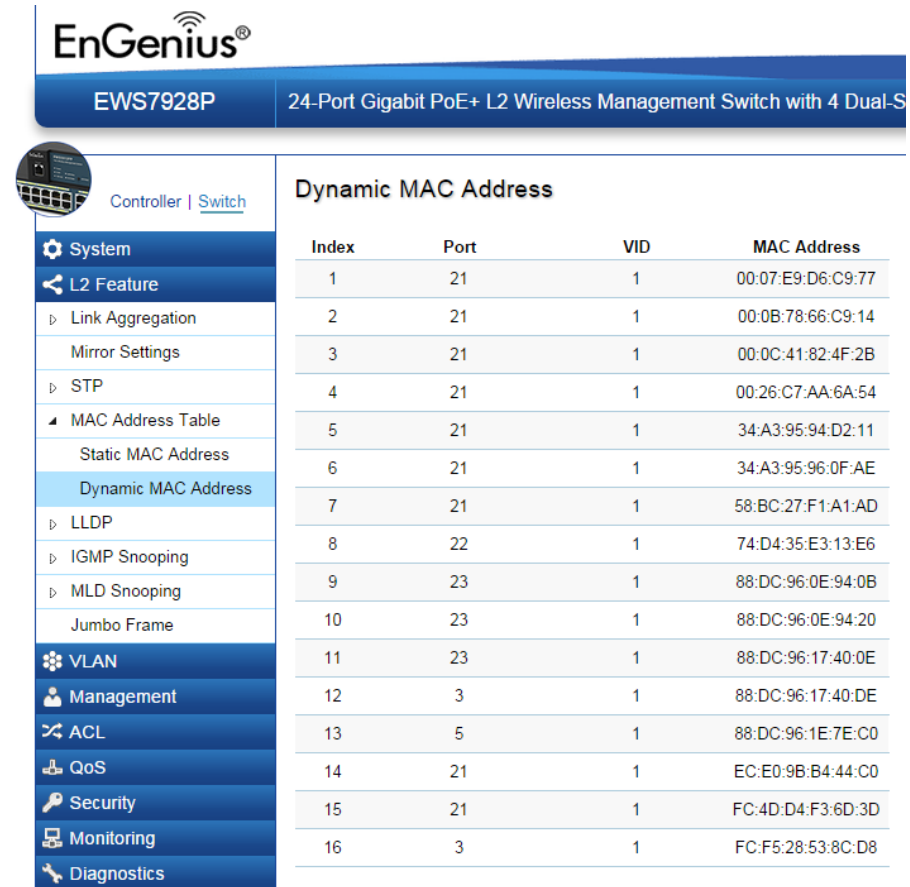
Controller | Switch

**PoE Port Settings**

| Port                     | State   | Priority | Power Limit Type | User Power Limit (W) | Status     | Class | Output Voltage (V) | Output Current (mA) | Output Power (W) |
|--------------------------|---------|----------|------------------|----------------------|------------|-------|--------------------|---------------------|------------------|
| <input type="checkbox"/> | Enabled | Low      | Auto Class       | 31                   | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 1       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 2       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 3       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 4       | Enabled  | Low              | Auto Class           | Delivering | 4     | 53.7               | 79                  | 4.2              |
| <input type="checkbox"/> | 5       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 6       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 7       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 8       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 9       | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 10      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 11      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 12      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 13      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 14      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 15      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |
| <input type="checkbox"/> | 16      | Enabled  | Low              | Auto Class           | Searching  |       |                    |                     |                  |

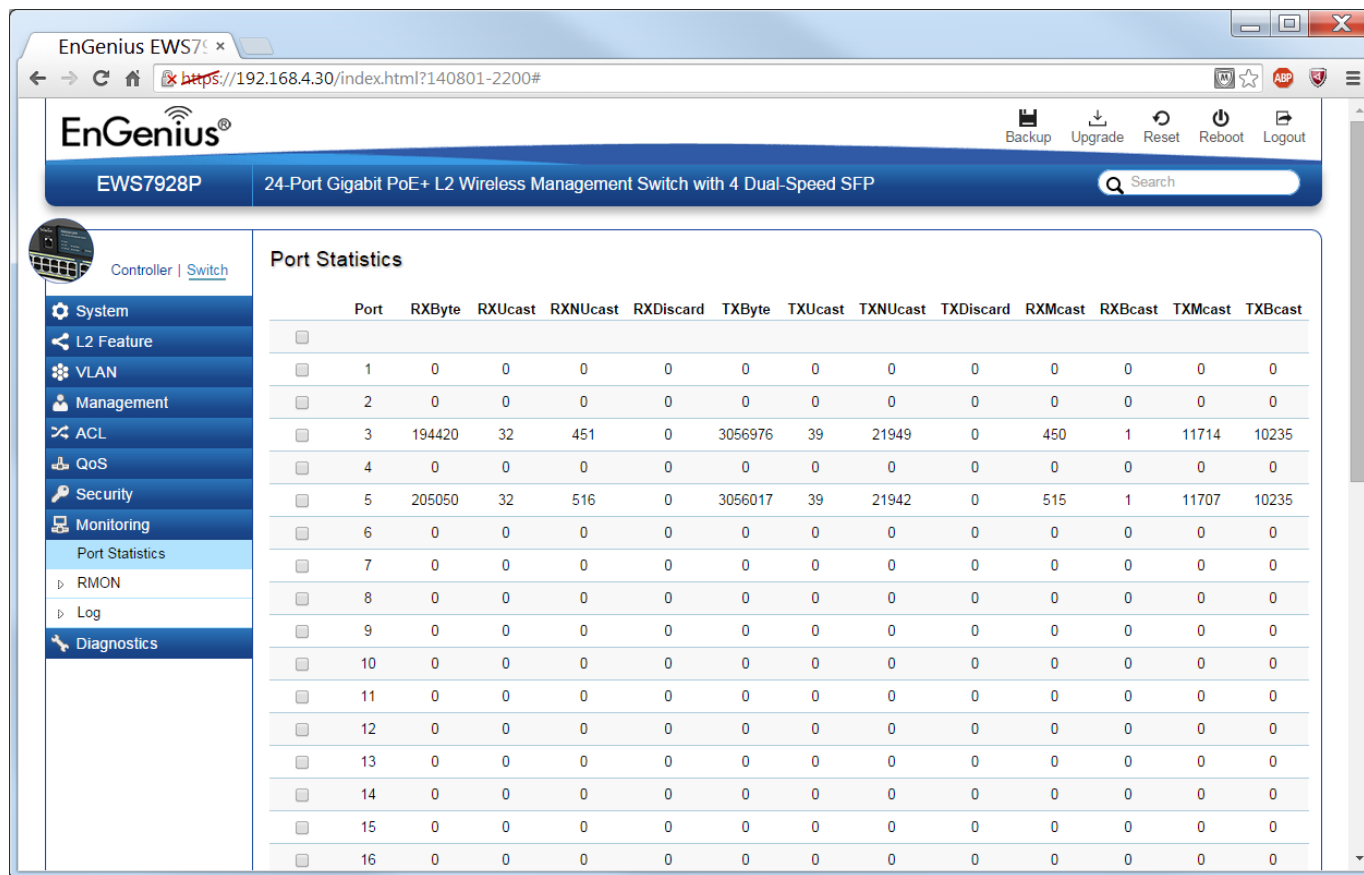
- Are access points and other devices powered?
- Are PoE devices receiving enough power?

- L2 Feature → MAC Address Table
- Shows which MAC addresses are connected to which ports
- Very useful diagnostic tool for 3<sup>rd</sup> party devices



The screenshot displays the EnGenius EWS7928P web interface. The top header shows the device name and model: "EWS7928P 24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-S". The left sidebar contains a navigation menu with the following items: System, L2 Feature (selected), Link Aggregation, Mirror Settings, STP, MAC Address Table (expanded), Static MAC Address, Dynamic MAC Address (highlighted), LLDP, IGMP Snooping, MLD Snooping, Jumbo Frame, VLAN, Management, ACL, QoS, Security, Monitoring, and Diagnostics. The main content area is titled "Dynamic MAC Address" and contains a table with the following data:

| Index | Port | VID | MAC Address       |
|-------|------|-----|-------------------|
| 1     | 21   | 1   | 00:07:E9:D6:C9:77 |
| 2     | 21   | 1   | 00:0B:78:66:C9:14 |
| 3     | 21   | 1   | 00:0C:41:82:4F:2B |
| 4     | 21   | 1   | 00:26:C7:AA:6A:54 |
| 5     | 21   | 1   | 34:A3:95:94:D2:11 |
| 6     | 21   | 1   | 34:A3:95:96:0F:AE |
| 7     | 21   | 1   | 58:BC:27:F1:A1:AD |
| 8     | 22   | 1   | 74:D4:35:E3:13:E6 |
| 9     | 23   | 1   | 88:DC:96:0E:94:0B |
| 10    | 23   | 1   | 88:DC:96:0E:94:20 |
| 11    | 23   | 1   | 88:DC:96:17:40:0E |
| 12    | 3    | 1   | 88:DC:96:17:40:DE |
| 13    | 5    | 1   | 88:DC:96:1E:7E:C0 |
| 14    | 21   | 1   | EC:E0:9B:B4:44:C0 |
| 15    | 21   | 1   | FC:4D:D4:F3:6D:3D |
| 16    | 3    | 1   | FC:F5:28:53:8C:D8 |



EnGenius EWS7928P 24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP

Controller | Switch

### Port Statistics

| Port | RXByte | RXUcast | RXNUcast | RXDiscard | TXByte  | TXUcast | TXNUcast | TXDiscard | RXMcast | RXBcast | TXMcast | TXBcast |
|------|--------|---------|----------|-----------|---------|---------|----------|-----------|---------|---------|---------|---------|
| 1    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 2    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 3    | 194420 | 32      | 451      | 0         | 3056976 | 39      | 21949    | 0         | 450     | 1       | 11714   | 10235   |
| 4    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 5    | 205050 | 32      | 516      | 0         | 3056017 | 39      | 21942    | 0         | 515     | 1       | 11707   | 10235   |
| 6    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 7    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 8    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 9    | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 10   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 11   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 12   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 13   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 14   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 15   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |
| 16   | 0      | 0       | 0        | 0         | 0       | 0       | 0        | 0         | 0       | 0       | 0       | 0       |

- Are access points and other devices passing data?
- Are there errors or discards?



## Rogue AP Detection

299

DETECTED

| BSSID             | SSID            | Channel | Mode    | Band   | Security      | Detector                                                                                                                                                                                 |
|-------------------|-----------------|---------|---------|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 00:12:0E:8E:16:8A | 07FX11022879    | 6       | 11b/g   | 2.4GHz | WEP           | Room255 (88:DC:96:25:59:BF) [RSSI:-90]                                                                                                                                                   |
| 00:14:6C:F8:2E:4C | NETGEAR         | 11      | 11b/g   | 2.4GHz | WPA-PSK       | Room238 (88:DC:96:25:58:48) [RSSI:-89]                                                                                                                                                   |
| 00:15:FF:40:A9:6A | Charger         | 1       | 11b/g/n | 2.4GHz | WPA2-PSK      | Room226 (88:DC:96:23:37:67) [RSSI:-71]                                                                                                                                                   |
| 00:18:01:F6:83:0A | ZJ444           | 11      | 11b/g   | 2.4GHz | WEP           | Room203 (88:DC:96:25:58:4B) [RSSI:-82]<br>2ndFllHallwayLobbyEast (88:DC:96:25:58:4E) [RSSI:-89]                                                                                          |
| 00:1E:2A:C4:15:60 | SnoopyHome      | 6       | 11b/g/n | 2.4GHz | WPA2-PSK      | Room231 (88:DC:96:23:37:55) [RSSI:-89]                                                                                                                                                   |
| 00:1E:52:79:45:90 | Terens Wireless | 6       | 11b/g/n | 2.4GHz | WPA-PSK mixed | Room244-WhiteRoom (88:DC:96:25:59:C5) [RSSI:-89]                                                                                                                                         |
| 00:1F:90:B1:BB:5C | GC5F5           | 11      | 11b/g   | 2.4GHz | WEP           | Room203 (88:DC:96:25:58:4B) [RSSI:-89]                                                                                                                                                   |
| 00:1F:90:B9:B9:C0 | 05WQ5           | 6       | 11b/g   | 2.4GHz | WEP           | 2ndFloorCafe (88:DC:96:25:59:CE) [RSSI:-89]                                                                                                                                              |
| 00:1F:90:C5:9B:74 | J6ZA4           | 11      | 11b/g   | 2.4GHz | WEP           | Room203 (88:DC:96:25:58:4B) [RSSI:-87]<br>2ndFllHallwayLobbyEast (88:DC:96:25:58:4E) [RSSI:-87]<br>Room275 (88:DC:96:25:58:3C) [RSSI:-86]<br>2ndFloorCafe (88:DC:96:25:59:CE) [RSSI:-94] |
| 00:1F:90:CE:FA:4C | TB6C5           | 6       | 11b/g   | 2.4GHz | WPA-PSK mixed | Room221 (88:DC:96:23:37:5B) [RSSI:-87]<br>Room231 (88:DC:96:23:37:55) [RSSI:-87]<br>Room222 (88:DC:96:23:37:5E) [RSSI:-85]                                                               |

10 1 to 10 of 299 AP(s)

◀ Previous Next ▶

- Detect 3<sup>rd</sup> party APs in environment
- Determine if external APs on conflicting channels and causing interference

- SSIDs / bands / APs the clients are connected on
- How much traffic they are passing
- Client Fingerprinting: what kind of devices

## Active Clients

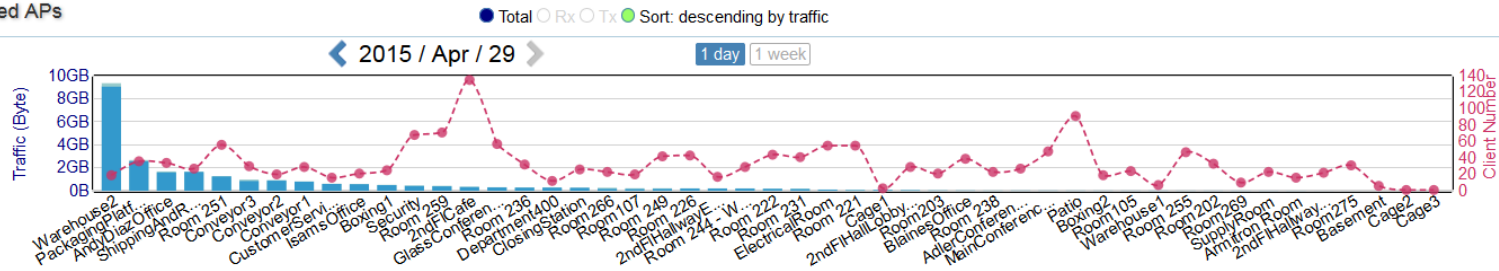
☐ ☐ ☐

| <input type="checkbox"/> | Client Name              | Client IP       | Client MAC Address | Client OS                   | AP Device Name       | SSID         | Band   | TX Traffic(KB) | RX Traffic(KB) | RSSI(dBm) | <input type="checkbox"/> |
|--------------------------|--------------------------|-----------------|--------------------|-----------------------------|----------------------|--------------|--------|----------------|----------------|-----------|--------------------------|
| <input type="checkbox"/> | FingerPrint              | 255.255.255.255 | 78:4B:87:62:91:83  | android-de62a643d562417b    | Room 251             | E Gluck Corp | 2.4GHz | 2              | 4              | -71       |                          |
| <input type="checkbox"/> |                          | 255.255.255.255 | F0:DB:E2:6E:67:F5  |                             | ShippingAndReceiving | E Gluck Corp | 5GHz   | 70873          | 863            | -71       |                          |
| <input type="checkbox"/> | android-8411a2fdb754c939 | 192.168.1.173   | C0:BD:D1:65:CE:FD  | Android                     | Patio                | E Gluck Corp | 2.4GHz | 120            | 69             | -62       |                          |
| <input type="checkbox"/> | NetadminsiPhone          | 172.16.43.70    | FC:E9:98:C6:54:66  | Apple iOS                   | Room 226             | E Gluck Corp | 5GHz   | 3691           | 798            | -68       |                          |
| <input type="checkbox"/> | Michaels-iPhone          | 172.16.43.69    | 70:3E:AC:57:77:63  | Apple iOS                   | IsamsOffice          | E Gluck Corp | 2.4GHz | 93             | 142            | -66       |                          |
| <input type="checkbox"/> | DMelvin-PC               | 172.16.43.55    | 5C:C5:D4:6A:6F:53  | Windows 7 Vista Server 2008 | GlassConferenceEast  | E Gluck Corp | 2.4GHz | 2              | 12             | -60       |                          |
| <input type="checkbox"/> | DMelvin-PC               | 172.16.43.55    | 5C:C5:D4:6A:6F:53  | Windows 7 Vista Desktop     | Room 259             | E Gluck Corp | 2.4GHz | 87             | 86             | -47       |                          |
| <input type="checkbox"/> | DMelvin-PC               | 172.16.43.55    | 5C:C5:D4:6A:6F:53  | Windows 7 Vista Desktop     | Room 221             | E Gluck Corp | 2.4GHz | 1              | 12             | -55       |                          |
| <input type="checkbox"/> | DMelvin-PC               | 172.16.43.55    | 5C:C5:D4:6A:6F:53  | Windows 7 Vista Desktop     | ElectricalRoom       | E Gluck Corp | 2.4GHz | 34             | 30             | -61       |                          |
| <input type="checkbox"/> | android-eded62dec4ae8140 | 172.16.43.40    | 14:B4:84:76:1A:C9  | Android                     | AndyDiazOffice       | E Gluck Corp | 2.4GHz | 3              | 9              | -69       |                          |
| <input type="checkbox"/> | android-c4ead1c6794edb6b | 172.16.43.35    | 98:F1:70:7D:6B:7B  | Unknown OS                  | Department400        | E Gluck Corp | 5GHz   | 4017           | 545            | -56       |                          |
| <input type="checkbox"/> | iPhone-4                 | 172.16.43.33    | 24:A2:E1:75:5A:60  | Apple iOS                   | 2ndFIHallwayEast     | E Gluck Corp | 2.4GHz | 51974          | 4353           | -55       |                          |
| <input type="checkbox"/> | Debbie                   | 172.16.43.184   | C8:B5:B7:83:E8:1D  | Apple iOS                   | ShippingAndReceiving | E Gluck Corp | 5GHz   | 145            | 76             | -67       |                          |
| <input type="checkbox"/> | android-d92618af47ab3cb7 | 172.16.43.182   | 00:08:22:D0:D9:FB  | Android                     | Room 221             | E Gluck Corp | 2.4GHz | 43             | 37             | -69       |                          |

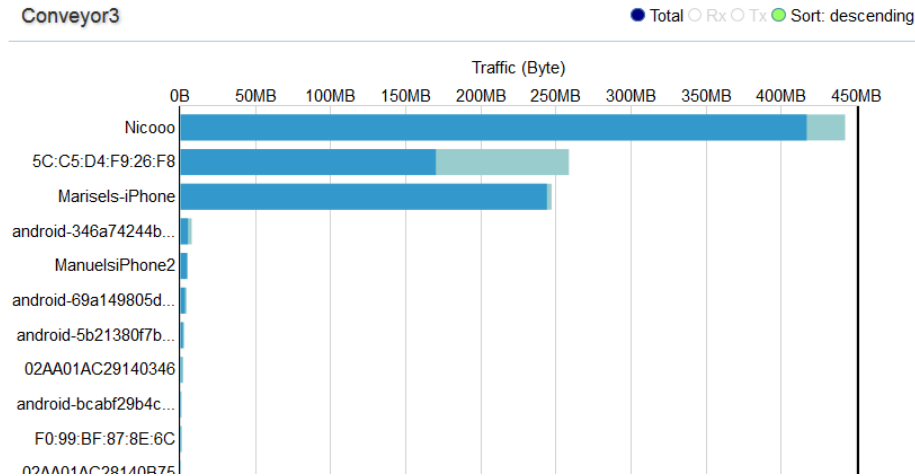
## Wireless Clients

Click on the bar in the Managed APs chart to display the traffic of clients of the selected AP.

### Managed APs



### Conveyor3



Managed AP(s) 3

A list of devices that have been added to the network. This sortable list consists of a filtering function where users can choose to show/hide columns that they wish to check. By selecting the device name, users will be redirected to the device information page.

|               |              |              |                     |
|---------------|--------------|--------------|---------------------|
| 50<br>MANAGED | 49<br>ACTIVE | 1<br>OFFLINE | 0<br>AP(s) Detected |
|---------------|--------------|--------------|---------------------|



| <input type="checkbox"/> | Status | Model Name | MAC Address       | Device Name          | IP Address   | Firmware Version | Uptime            | Cluster      |  |
|--------------------------|--------|------------|-------------------|----------------------|--------------|------------------|-------------------|--------------|-------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:25:56:DA | Boxing1              | 172.16.80.50 | v2.0.143-c1.3.10 | 23 hours, 26 mins | Factory      |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:37:5B | Room 221             | 172.16.80.51 | v2.0.143-c1.3.10 | 5 hours, 53 mins  | Gluck Office |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:37:5E | Room 222             | 172.16.80.52 | v2.0.143-c1.3.10 | 5 hours, 53 mins  | Gluck Office |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:CE | PackagingPlatform    | 172.16.80.53 | v2.0.143-c1.3.10 | 23 hours, 23 mins | Factory      |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:C2 | AndyDiazOffice       | 172.16.80.54 | v2.0.143-c1.3.10 | 23 hours, 36 mins | Factory      |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:C5 | BlainesOffice        | 172.16.80.55 | v2.0.143-c1.3.10 | 23 hours, 33 mins | Gluck Office |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:D1 | ShippingAndReceiving | 172.16.80.56 | v2.0.143-c1.3.10 | 23 hours, 29 mins | Gluck Office |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:BC | Conveyor2            | 172.16.80.57 | v2.0.143-c1.3.10 | 23 hours, 31 mins | Factory      |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:B6 | CustomerService      | 172.16.80.58 | v2.0.143-c1.3.10 | 23 hours, 32 mins | Gluck Office |                                                                                     |
| <input type="checkbox"/> | Online | EWS360AP   | 88:DC:96:23:36:B9 | Conveyor1            | 172.16.80.60 | v2.0.143-c1.3.10 | 23 hours, 36 mins | Factory      |                                                                                     |

10

31 to 40 of 50 AP(s)

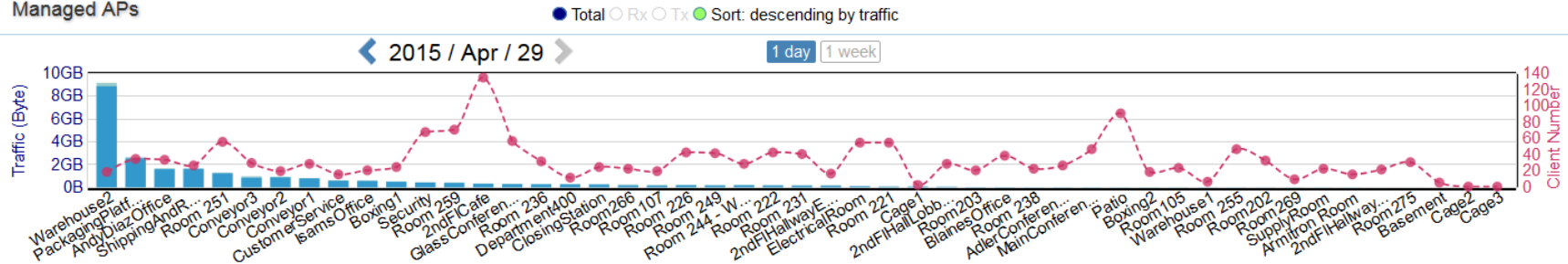
Previous Next

- Centralized view of all APs on the network
- Sort APs by status, model, location, MAC address, IP address, cluster, firmware, or uptime
- Customize Individual AP settings

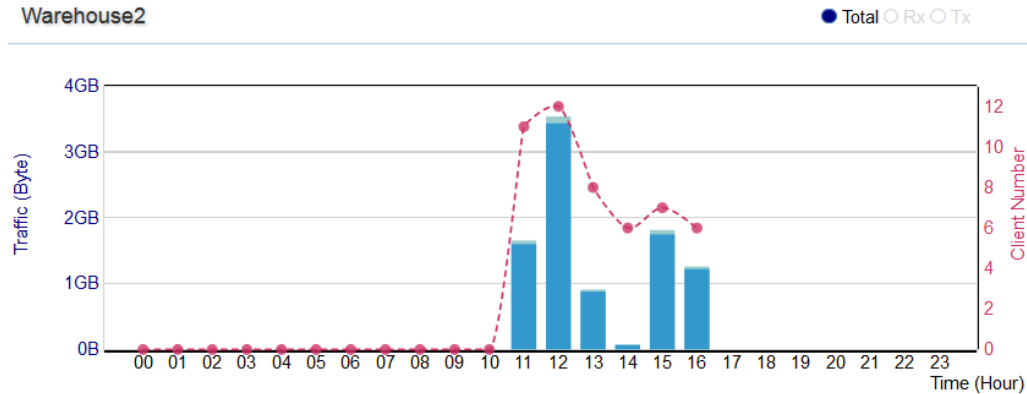
## Access Points

Click on the bar in the Managed APs chart to display the traffic of the selected AP.

### Managed APs



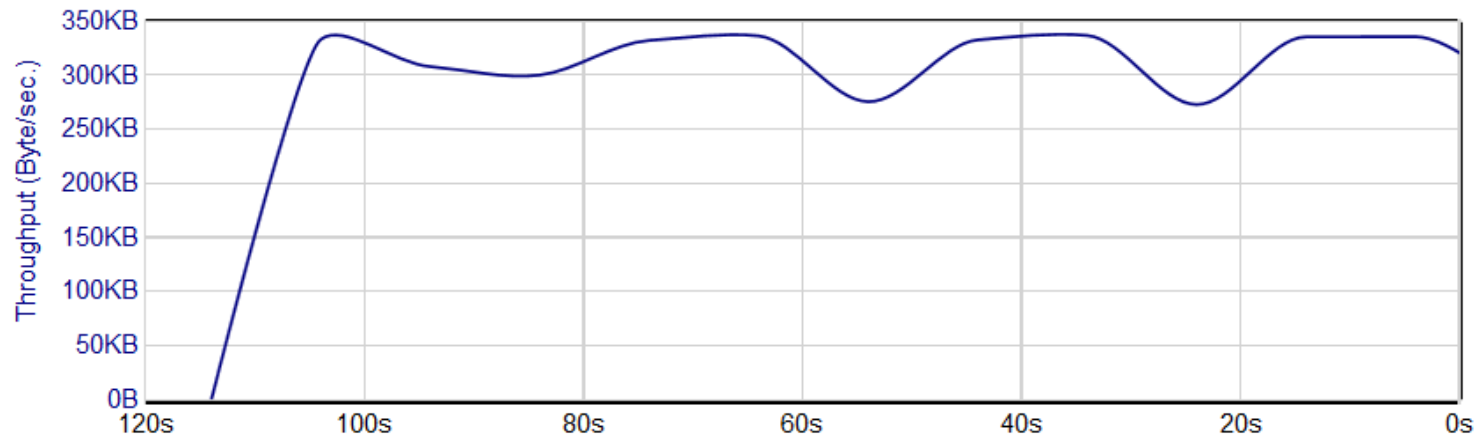
### Warehouse2



## Throughput Monitoring

Select an AP here: Warehouse2 (88:DC:96:25:56:DD) ▼

## Warehouse2



# Thank you