EWS-4500e

Extreme Performance – Low Cost Edge Wireless Extension

Strix Systems Access/One® Network EWS-4500e series equipment, powered by Strix Edge™ and MIMO techniques is our high performance Edge wireless network extensions for the longest reach of an outdoor wireless network. The EWS-4500e is a rugged device with flexible mounting options, enabling the longest reach and instant mesh hand-off for large number of client devices compared to other wireless devices.

Optimal Throughput for Voice, Video and Data Applications

Strix EWS-4500e is an ideal solution for a subscriber client. It is configurable to extend the reach of Strix Access/One Network to 250+ clients or as standalone dual radio access point. It supports a broad range of voice, video and data applications delivering the highest performance and seamless mobility. The EWS-4500e is an ideal choice for any communications network worldwide.

Low Latency and High Throughput across multiple wireless hops

While wireless-enabled laptops and other wireless devices don't provide adequate power to communicate with outdoor mesh networks, the EWS-4500e offers a multi-fold increases in power, penetration and performance for the most excellent network experience. By improving signal strength, the mesh network is quickly detected; optimal channels selected and secure client connections are established. All Strix Access/One products are self configuring, enable interference mitigation, provide network resiliency, and offer built-in troubleshooting tools and remote upgradeability for the most demanding environments.

Security & (QoS) Optimization

Strix EWS-4500e provides enhanced Quality of Service and supports the highest levels of security authentication and encryption to secure and protect clients. It also supports Multiple VLANs, PPPoE, data rate limiting.

Easy Manageability

Strix EWS-4500e supports centralized provisioning and easy remote manageability via CLI, HTTP and SNMP. The device also supports remote firmware updates and includes a number of monitoring, trending and troubleshooting from a centralized NOC. The Strix EWS-4500e allows dynamic channel assignment, automatic power control and data rate selection for greatest RF spectrum efficiency, supports event logging and statistics, Layer-2 and Layer-3 NAT monitors, client monitor, rogue device detection and reports signal strength history.

Technical Specifications

Features & Applications

- Concurrent dual band Support (5.x & 2.4 GHz)
- 250 plus concurrent clients access
- 867 + 300 Mbps WLAN RF capacity
- Smart QoS, VLAN
- Multiple SSID support
- Configurable operating modes for 5Ghz Radio (STA/AP)
- Bridge and Router modes
- Well suitable for high client density deployment
- Fast and secure client roaming
- IPv6 support
- Automatic/Manual channel selection

Security & Encryption

- 802.11i Security: WPA-PSK, WPA2-PSK
- AES and TKIP encryption
- WPA2 Enterprise
- Wired Equivalent Privacy (WEP)
- PPPoE
- MAC Address Access Control Lists
- Client Isolation
- Management VLAN
- Firewall

Monitoring/Troubleshooting

- Clients, Wireless neighbor, Rouge AP monitor
- Event Logging and Statistics
- Layer 2/3 NAT Monitor
- Signal Strength Indicator
- Antenna Aimer and other diagnostic utilities [1]

Wireless Specifications

- Wireless Standards – A/B/G/N/AC
- Frequency Bands[2]:
  - 802.11B/G/N
    - 2.412 - 2.482 GHz
  - 802.11A/N/AC
    - 5.18 - 5.825 GHz
- Receiver Sensitivity Rates (max): -96dBm
- Transmit Power
  - Up to 27 dBm[2]
  - Automatic Tx Power Control[1]
- Modulations
  - 802.11a/g: 16-QAM, QPSK, BPSK
  - 802.11b: CCK, DQPSK, DBPSK
  - 802.11n: 16-QAM, 64-QAM, QPSK, BPSK
  - 802.11ac: 16-QAM, 64-QAM, 256-QAM, QPSK, BPSK
- Supported Channel Widths
  - 5, 10, 20, 40, and 80 MHz

Firmware

- Strix SOWACE

Operating Modes

- Stations, Access Point
- Layer-2 NAT/WDS
- Layer-3 NAT, DHCP Server

[1] Available Future Software Upgrade
[2] Varies by Country and/or Model

Antenna Specifications

- 2.4 / 5 GHz dual band Antenna
  - MIMO: 2X2, Up to 8 dBi[2]
- 5 GHz External Antenna
  - MIMO: 2X2, Up to 12 dBi[2]

Remote and Local Management

- HTTP, HTTPS, CLI, Telnet, SSH[1], SNMP, FTP
- Remote Management and Provisioning[1]
- Bandwidth Provisioning[1]

Electrical

- Passive PoE 48V
- Max power : Up to 18W

Physical

- Dimension: 12.20"H x 10"W x 3.9"D(max)[2]
- Weight: 2.48Kg (max)[2]
- Weather Rating: IP67
- Pole Mount
- Operating Temperature: -20°C to 55°C
- Storage Temperature: -40°C to 80°C
- Winds : 100mph Sustained and 140mph Gusts
- Humidity: 95% Non-condensing

Warranty

- 13 Months Hardware, Software and Technical Support

Interfaces and Ports

- Up to 2 x 10/100/1000Mbps Ethernet port

![Strix - Networks Without Wires]