

# EWS 150 SERIES

## THE INDUSTRY'S HIGHEST POWER MESH EXTENSION



Strix Systems Access/One® Network Edge Wireless System (EWS) 150, powered by Strix DMA™, is the industry's highest powered mesh network extension for the longest reach of any indoor wireless mesh network CPE. A perfect fit for carriers, municipalities, public safety agencies and enterprises, the compact EWS 150 builds on Strix customer successes. Multi-megabit, multi-RF, multi-channel mesh extension is unique in the industry supporting a broad range of voice, video and data applications delivering the highest performance and seamless mobility. Strix adds the latest in Strix DMA™ technology into this compact unit with Quality of Service (QoS) provided by Strix mesh network and Wi-Fi Protected Access (WPA/WPA2) for secured client connectivity. While wireless-enabled laptops and other wireless devices don't provide adequate power to communicate with outdoor mesh networks, the EWS 150 offers a four-to-forty-fold increase 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 the client connection secured. All Strix Access/One are self configuring, enable interference mitigation,

provide network resiliency, and offer built-in troubleshooting tools and remote upgradeability for the most demanding environments. The EWS 150 is available for world-wide deployment and is the best choice when you demand the highest performance.



- ✓ Automatic "Plug'n'play" Wireless Service
- ✓ Industry's Highest Power/Longest Reach CPE
- ✓ Secured Client Connectivity
- ✓ Defined Quality of Service (QoS)
- ✓ End-to-end Customer Management

## Features

### Wireless

- ▶ The industry's highest-power, lowest cost mesh extension.
- ▶ Optimal throughput for Voice, Video And Data.
- ▶ Defined Quality Of Service (QoS)
- ▶ Low latency and high throughput across multiple wireless hops.
- ▶ Dynamic channel assignment, automatic power control and data rate selection for greatest RF spectrum efficiency.
- ▶ Dual Diversity to achieve highest performance and greatest WiFi resilience.

### System

- ▶ Plug-n-play simplicity, auto-discover and self-configuration.
- ▶ Seamless interoperability with the Strix Access/One® Indoor Wireless System (IWS) and Outdoor Wireless System (OWS).
- ▶ Takes advantage of mesh Full-Duplex capabilities.
- VLANs over a single SSID and Ethernet
- ▶ Self-tuning and self-healing mesh for network optimization.
- ▶ 802.11b/g with Long-range connectivity to 54Mbps.

### Management

- ▶ Remote management via CLI, HTTP and SNMP
- ▶ Management of VLANs and Bandwidth Controls
- ▶ Remote firmware updates to Strix Access/One Edge Wireless capabilities.
- ▶ Client Monitor and wireless neighbor list
- ▶ Event Logging and Statistics
- ▶ Layer-2 NAT Monitor
- ▶ Signal Strength History

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# Technical Specifications

## Wireless

- ▶ Wireless Standards: IEEE 802.11b/g
- ▶ Frequency Bands:
  - 802.11g
  - 2.4 - 2.497 GHz
  - (Availability of specific bands is dependent on region model number)
- ▶ Data Rates (Mbps):
  - 6, 9, 12, 18, 24, 36, 48, 54 (802.11b/g)
- ▶ Transmit Power:
  - 802.11b/g: 26 dBm
- ▶ Receiver Sensitivity:
  - 802.11g
    - 6 Mbps @ -91 dBm
    - 54 Mbps @ -72 dBm
  - 802.11b
    - 1 Mbps @ -93 dBm
    - 11 Mbps @ -85 dBm
- ▶ LO (crystal) Frequency Stability:
  - +/-20PPM

## Ethernet LAN

- ▶ 10/100Base-T (auto-sensing)

## LAN Indicators

- ▶ Power and Signal

## Electrical

- ▶ External Power Supply Input:
  - EWS150G-NA
    - 100/120 VAC, 47 - 63 Hz
  - EWS150G-RW
    - 100/240 VAC, 47 - 63 Hz
  - EWS150G-EU
    - 100/240 VAC, 47 - 63 Hz
- ▶ External Power Supply Output:
  - 12 VDC, 1 Amp

## Physical

- ▶ Dimension: 158.75mm x 127mm x 50.8mm(LxWxH)
- ▶ Weight: 700g
- ▶ Temperature: 0°C to 40°C(Operating), -20°C to 70°C(storing)
- ▶ Humidity: 95% Non-condensing

## Operating Modes

- ▶ 802.11b/g STA
- ▶ L2 Network Address Translation (NAT)

## Security

- ▶ Wired Equivalent Privacy (WEP)
- ▶ Unique per-user key
- ▶ MAC address filtering (ACL)

## Remote Management

- ▶ CLI, HTTP, SNMP
- ▶ Local management over Ethernet
- ▶ Remote management over network management VLAN
- ▶ Remote firmware upgrade

## Troubleshooting

- ▶ Client monitor, wireless neighbor list
- ▶ Event logging and statistics
- ▶ L2 NAT monitor
- ▶ Signal strength history

## Warranty

- ▶ One year warranty on parts

### Note

*Same universal power supply for all models.*

### Ordering Information

**EWS150G-NA**

*Configured for operation in North America*

**EWS150G-RW**

*Configured for operation in R.W. countries*

**EWS150G-EU**

*Configured for operation in E.U. countries*



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