EWS 100 SERIES

Features

Wireless

◗ High-performance, multi-node and multi-radio mesh extension.

◗ Optimal throughput for Voice, Video And Data.

◗ Enables Dual-Mode WiFi Phones.

◗ Low latency and high throughput across multiple wireless hops.

◗ Dual-radio for greatest performance and flexibility.

◗ Radios work on different frequencies to provide greatest coverage without interference.

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).

◗ Full duplex mesh capabilities.

◗ Self-tuning and self-healing mesh for network optimization.

◗ Supports all 802.11a, b and g networks

◗ Wireless link speeds to 108 Mpbs

Management

◗ Remote management via CLI, HTTP and SNMP

◗ Remote firmware updates.

◗ Client Monitor and wireless neighbor list

◗ Event Logging and Statistics

◗ Layer-2 NAT Monitor

◗ Signal Strength History

Security

◗ Industry standard WEP security

◗ MAC address Access Control Lists

◗ Supports all L2 and L3 VPNs

www.strixsystems.com

HIGHER PERFORMANCE, MULTI-RADIO FLEXIBILITY AND PLUG-N-PLAY SIMPLICITY

Strix Systems Access/One® Network Edge Wireless System (EWS), powered by Strix DMA™, is the industry's first multi-radio mesh network extension, enabling the highest performance wireless connectivity and the simplest plug-n-play experience. The EWS 100 seamlessly extends the reach of the OWS into homes and small businesses, enabling end users to connect their existing equipment to wireless mesh networks. The small dual-radio multi-RF, multi-channel mesh extension is unique in the industry supporting a broad range of voice, video and data applications by offering full duplex performance and seemless roaming for any WiFi devices including laptops, PDA's and dual-mode WiFi/Cell phones. The RF signals of wireless mesh networks can penetrate houses and businesses, however, while wireless-enabled laptops, VoIP phones and other wireless user devices frequently do not have a signal strong

Strix Systems Edge Wireless System (EWS) is the highest performance plug-n-play mesh extension product on the market delivering the flexibility and security to address the needs of residential and business customers.

enough signal to communicate with the network, the EWS offers the power and performance for an excellent network experience. The EWS 100 improves signal strength, relaying the signal back and forth between the mesh network and devices indoors. The EWS maximizes performance while minimizing investment, offering plug-n-play simplicity, automatic configuration, interference mitigation, network resiliency, built-in troubleshooting tools and remote upgradeability for the most demanding environments. The EWS offers a flexible configuration enabling 802.11g and 802.11a to be configured for indoor or outdoor. Commonly 802.11a connects to indoor devices, while 802.11g connects to the wireless mesh network. The EWS is fully compatible with Strix Outdoor Wireless System (OWS) and Indoor Wireless System (IWS) and a wide range of 802.11a, b and g devices. Strix EWS is the best choice when you demand the highest performance.

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Strix
Networks Without Wires® **SYSTEMS**

Technical Specifications

Wireless

◗ Wireless Standards: IEEE 802.11a/b/g

◗ Frequency Bands:

   802.11a
    - 5.15 - 5.25 GHz, 5.25 - 5.35 GHz
    - 5.470 - 5.725 GHz, 5.725 - 5.850 GHz
   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 (802.11a/b/g)

◗ Transmit Power:

   802.11a and 802.11g: 17 dBm

   802.11b: 20 dBm

◗ Receiver Sensitivity:

   802.11a/g
    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, LAN, 802.11a, 802.11b/g

Electrical

◗ External Power Supply Input:

   EWS 100-NA

     100/120 VAC, 60 Hz

   EWS 100-EU

     100/240 VAC, 47 - 63 Hz

◗ External Power Supply Output:

   5.0 VDC, 2.5 A

Physical

◗ Dimension: 195x160x27mm (LxWxH)

◗ Weight: 700g

◗ Temperature: 0°C to 40°C(Operating), -20°C to 70°C(storing)

◗ Humidity: 95% Non-condensing

Operating Modes

◗ 11b/g STA & 11a AP, L2 NAT

◗ 11a STA & 11b/g AP, L2 NAT

Clients

◗ Any Wi-Fi compatible devices

◗ 16 devices supported

Security

◗ Encryption: WEP

◗ MAC address filtering (ACL), unique per-user key

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 parts and labor

Ordering Information

EWS 100-NA
Configured for operation in North America

EWS 100-EU
Configured for operation in E.U. countries