

## EWS-4100g

### Extreme Performance – Low Cost Edge Wireless Extension

Strix Systems Access/One® Network EWS-4100g 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-4100g is small, sleek and 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-4100g is an ideal solution for a subscriber client. It is configurable to extend the reach of Strix Access/One Network to 100+ clients or as standalone single radio access point. It supports a broad range of voice, video and data applications delivering the highest performance and seamless mobility. The EWS-4100g 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-4100g 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-4100g 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-4100g 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-4100g 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

- ✘ 802.11g/n
- ✘ 128 concurrent clients access
- ✘ Smart QoS
- ✘ Multiple SSID support
- ✘ Configurable operating modes (STA/AP)
- ✘ Bridge and Router modes
- ✘ Well suitable for high client density deployment
- ✘ IPv6 ready

### Security & Encryption

- ✘ 802.11i Security: WPA-PSK, WPA2-PSK
- ✘ AES and TKIP encryption
- ✘ WPA2 Enterprise
- ✘ Wired Equivalent Privacy (WEP)
- ✘ PPPoE<sup>1</sup>
- ✘ MAC Address Access Control Lists
- ✘ Client Isolation
- ✘ Firewall

### Monitoring/Troubleshooting

- ✘ Clients, Wireless neighbor monitor
- ✘ Event Logging and Statistics
- ✘ Layer 2/3 NAT Monitor
- ✘ Signal Strength Indicator
- ✘ Antenna Aimer and other diagnostic utilities<sup>1</sup>

### Wireless Specifications

- ✘ Wireless Standards – G/N
- ✘ Frequency Bands<sup>2</sup>:
  - 802.11G/N
    - ✘ 2.4 - 2.462 GHz (Americas, FCC)
    - ✘ 2.4 - 2.472 GHz (Europe, ETSI)
    - ✘ 2.4 - 2.497 GHz (Japan, MKK)
- ✘ Receiver Sensitivity Rates
  - ✘ 802.11g/n HT20: -71dBm @MCS7
  - ✘ 802.11g/n HT40: -71dBm @MCS7
  - ✘ 802.11g: -77dBm @ 54 Mbps
- ✘ Transmit Power
  - ✘ Up to 25 dBm<sup>2</sup> (802.11G/N)
- ✘ Modulations
  - ✘ 802.11g: 16-QAM, QPSK, BPSK
  - ✘ 802.11n: 16-QAM, 64-QAM, QPSK, BPSK
- ✘ Supported Channel Widths<sup>1,2</sup>
  - ✘ 5, 10, 20 and 40 MHz

### Remote and Local Management

- ✘ HTTP, HTTPS, CLI, Telnet, SSH<sup>1</sup>, SNMP, FTP
- ✘ Remote Management and Provisioning<sup>1</sup>
- ✘ Bandwidth Provisioning<sup>1</sup>

### Operating Modes

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

### Antenna Specifications

- ✘ 2.4 GHz Internal Antenna
  - ✘ MIMO: 2X2, up to 12 dBi

### Electrical

- ✘ DC 12V/1A or PoE support
- ✘ Max power : < 12W

### Physical

- ✘ Dimension: 185x185x56mm
- ✘ Weather Rating: IP67 weather tight
- ✘ Weight: 0.75 Kg
- ✘ Pole/Wall Mount
- ✘ Operating Temperature: -20°C to 55°C
- ✘ Storage Temperature: -40°C to 80°C
- ✘ Humidity: 95% Non-condensing

### Warranty

- ✘ 12 Months Hardware, Software and Technical Support

### Interfaces and Ports

- ✘ 2x 10/100 Mbps Ethernet port

<sup>1</sup>Available Future Software Upgrade

<sup>2</sup>Varies by Country and/or Model