

STRIX HSX

HIGH PERFORMANCE INTEGRATED WIRELESS HOT SPOT SYSTEM

Strix Systems introduces the Integrated wireless Hot Spot System (Strix HSx) to its award winning Access/One® family of wireless indoor, outdoor, mobile and video surveillance products.

Enclosed in a weatherized, air and watertight outdoor chassis, Strix HSx is Powered by Strix Edge™ OS and enabled through Strix Systems patented Access/One high performance intelligent radio algorithms that dynamically adjust to the environment for superior multi-megabit, multi-RF, multi-channel multi-radio capabilities.

Designed to address key markets, Strix HSx is easily deployed, automatically and instantly self-configuring, and provides superior performance, security and flexibility for motor vehicle and mobile home parks, marinas, outdoor malls, fixed and temporary event venues, outdoor enterprise, industrial and strategic applications.

Strix HSx offers unique set of finely tuned features including robust high performance 802.11a and 802.11g for a combination of high density secured user access with Client Connect Privacy (CCP) and high-speed backhaul to Strix Access/One Outdoor Wireless Mesh Networks. Optional licensed 4.9 GHz (DSRC-C) for access or backhaul as needed in public safety and other strategic applications. Strix HSx also supports industry-standard security algorithms for secured backhaul and client connectivity, multiple VLANs and end-to-end Quality of Service.

Extended operating temperature ranges and flexible mounting options make Strix HSx suitable for all types of deployment scenarios. The HSx scales efficiently and economically, maximizing coverage areas affordably, greatly reducing deployment and operating costs and the Total Cost of Ownership.



**Contact your distributor for this
Integrated Product.**

**Strix Systems Product information
Web Site: www.strixsystems.com**



Features

System

- Instantly Creates Powerful Wireless Mesh Network Hot Spots.
- Exceptional Range, Coverage, High Throughput and Low Latency.
- Dynamic Channel Assignment, Automatic Power Control, Data Rate Selection for Optimum RF Spectrum Efficiency.

Wireless

- Dual Radio 802.11a and 802.11g for High Speed Wi-Fi Access and Backhaul to Strix Access/One Wireless Mesh Networks.
- High Power 4.9 GHz (DSRC-C) for Public Safety Applications.
- Dual Antenna Diversity Optimizes Radiation/Reception Pattern Automatically in response to the Signal Environment.
- Takes Advantage of Strix Wireless Mesh Network Full-Duplex Capabilities.
- Strix Access/One Edge™ Extends QoS from Strix Mesh Networks.
- Seamless Interoperability with Strix Access/One Family of Products.

Enclosure

- Durable Weatherized, Air and Watertight Enclosure for Harsh Environmental Conditions
- Multiple Power, Antenna and Mounting Options.

Security

- Support for Security/Encryption Standards Including: WPA-PSK, WPA2-PSK, WEP, TKIP, AES.
- MAC Address Access Control Lists.
- Remote Management Configuration and Software Upgrades.
- Supports all L2 and L3 VPNs.

Technical Specifications

Wireless

- ▶ Wireless Standards: IEEE 802.11a/b/g
- ▶ Frequency Bands:
 - 802.11a/4.9 GHz radio is DSRC-C mask compliant
 - 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
- ▶ Transmit Power:
 - 802.11a: 26 dBm
 - 4.9 GHz: 30 dBm
 - 802.11b/g: 26 dBm
- ▶ Receiver Sensitivity:

802.11g:	802.11a/4.9:
-98 dBm @ 1 Mbps	-93 dBm @ 6 Mbps
-94 dBm @ 5.5 Mbps	-90 dBm @ 12 Mbps
-91 dBm @ 11 Mbps	-84 dBm @ 24 Mbps
-93 dBm @ 6 Mbps	-81 dBm @ 36 Mbps
-91 dBm @ 12 Mbps	-76 dBm @ 48 Mbps
-85 dBm @ 24 Mbps	-74 dBm @ 54 Mbps
-82 dBm @ 36 Mbps	
-77 dBm @ 48 Mbps	
-75 dBm @ 54 Mbps	
- ▶ LO (crystal) Frequency Stability:
 - +/-20PPM

Ethernet LAN

- ▶ 10/100Base-T (auto-sensing)

LAN Indicators

- ▶ Power and Signal

Electrical

- ▶ External Power
 - 12 - 48 VDC 20 Watts 2 A, +/- 10%
or High power PoE (16 W) in (802.3 af)
- ▶ Vehicle-rated surge suppression
 - 10.8 VDC cutoff
- ▶ 10W max power consumption
- ▶ Recommended Power supplies:
 - Mean Well ELN-60
 - Microsemi PowerDsine PD-8001/AC

Environmental

- ▶ Weather Rating: IP67 weather tight
- ▶ Operating Temperature: -40°C to +55°C
- ▶ Storage Temperature: -50°C to +85°C
- ▶ Humidity: 10% to 90% non-condensing

Operating Modes

- ▶ 802.11a/4.9 STA, 802.11b/g AP
- ▶ Cross-subnet mobility
- ▶ VLAN mapping for client traffic
- ▶ LS NAT / Client bridge between radios and Ethernet port

Security

- ▶ Wi-Fi Protected Access (WPA-PSK)
- ▶ Wi-Fi Protected Access 2 (WPA2-PSK)
- ▶ Wireless Equivalency Protocol (WEP)
- ▶ Temporal Key Integrity Protocol (TKIP)
- ▶ Advanced Encryption Standard (AES)
- ▶ MAC Address Access Control Lists

Remote Management

- ▶ Local and remote network management via HTTP, SNMP, CLI, HTTP, SNMP,
- ▶ Remote management over network management VLAN
- ▶ Remote firmware upgrades

Troubleshooting

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

Warranty

- ▶ One year parts.

Ordering Information

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FOR DETAILS.*

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