

SX-AP-4800AN

Dual Band 802.11n Wireless Access Point



Enhanced Roaming, PoE and Enterprise Wireless Security

Summary:

SX-AP-4800AN is a dual band 802.11n wireless access point (base station) and is able to communicate with station devices (clients) supporting IEEE802.11a/b/g/n wireless networks. SX-AP-4800AN is ideal for business and factory environments supporting enterprise wireless security, enhanced roaming, and PoE (Power over Ethernet).

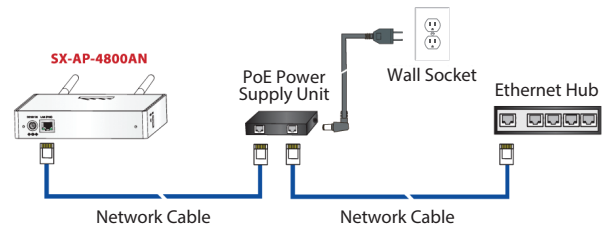


Features:

- 1 **Dual band support: 2.4GHz, 5GHz**
The IEEE 802.11a/b/g/n wireless LAN standards are supported. SX-AP-4800AN is designed for dual band operation on 2.4GHz and 5GHz. The 5GHz band has less interference and improves connectivity with various kinds of network devices.
- 2 **Advanced security**
SX-AP-4800AN supports enterprise security with 802.1x authentication.
 - WPA (TKIP/AES)
 - WPA2 (AES)
 - IEEE 802.1X EAP-PEAP, EAP-TLS, EAP-TTLS
- 3 **802.11r Enhanced Roaming**
802.11r, a QoS (Quality of Service) technology which allows clients to roam from one access point to another in less than 50 milliseconds by streamlining the authentication process using a function called FT (Fast Basic Service Set Transition).

4 PoE (Power over Ethernet)

SX-AP-4800AN can be powered by a PoE device complying with IEEE 802.3af through a network cable allowing flexible placement of the access point. The included AC adapter is also available for power.

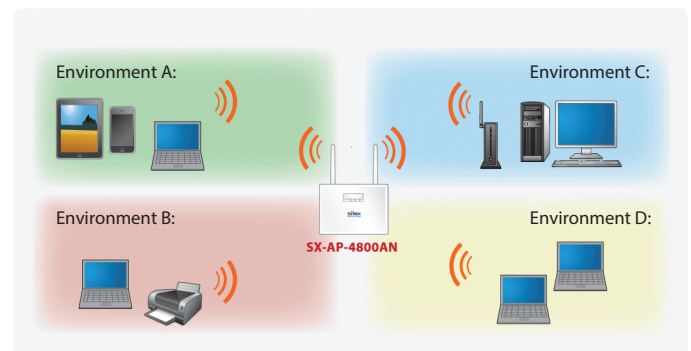


5 Radio output setting function

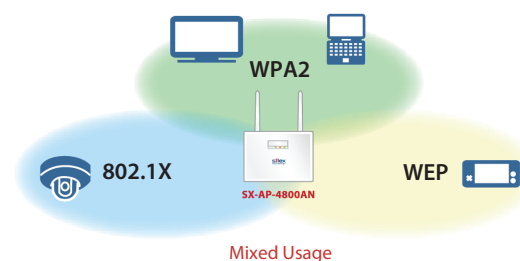
Wireless LAN radio intensity is configurable. The radio communication distance can be lowered to allow higher security and help avoid interference.

6 Multiple logical wireless interfaces (Multi SSID)

SX-AP-4800AN can operate up to 4 virtual access points.



Each SSID can have individual security settings.





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7 Setting

All of the settings are configurable using a standard web browser. The push button on the SX-AP-4800AN supports WPS (Wi-Fi Protected Security)



Web Setting Page

8 WDS (Wireless Distribution System)

WDS allows the Silex Access Point to act as a repeater to extend the wireless range from the root AP allowing a completely wireless infrastructure

Complimentary product:

Wireless Bridge

SX-BR-4600WAN



The SX-BR-4600WAN allows any Ethernet enabled device to join a secure, high-speed network. It is software transparent meaning no changes to drivers, management tools, or applications are needed. It allows flexibility to locate Ethernet devices in places where running cables is difficult or impossible.

- 10BASE-T, 100BASE-TX, 1000BASE-T (auto-recognition)
- IEEE 802.11a/b/g/n compliance (Dual band support: 2.4GHz/5GHz)
- Two operation modes (Single and multi-client mode)
- Easy to configure using a standard web browser (patented)
- Enterprise Security
 - WPA, WPA2, IEEE 802.1X authentication

For Engineers and System Integrators:

OEM circuit boards and custom solutions are also available. Please contact us for details.

Product Specifications:

Product Name	SX-AP-4800AN
Wired LAN	
Interface	RJ-45 x 1Port
Standard	10/100/1000Base-T (auto-recognition), PoE (compliant with 802.11af)
Wireless LAN	
Standard	IEEE 802.11a/b/g/n, 2Tx2R (Theoretical value: 300Mbps)
Transmission Method	IEEE 802.11a 5GHz (Modulation method: OFDM) IEEE 802.11b 2.4GHz (Modulation method: DSSS) IEEE 802.11g 2.4GHz (Modulation method: OFDM) IEEE 802.11n (Modulation method: OFDM) <ul style="list-style-type: none"> • MIMO (Multiple Input Multiple Output) • A-MPDU and A-MSDU of Aggregation function • HT20/HT40 mode (high-throughput mode)
Total Number of Connectable Devices	100 units
Multi SSID	4
Authentication Method	Open, Shared, WPA-PSK, WPA2-PSK, WPA/WPA2-PSK (MIX) mode, 802.1X, WPA-Enterprise, WPA2-Enterprise, WAP/WPA2-Enterprise (MIX mode)
Supporting Channel	
JP Model	2.4GHz band: 1 to 13ch 5GHz band: W52/W53/W56 (W53 and W56 support DFS)
US Model	2.4GHz band: 1 to 11ch 5GHz band: W52, W53, W58 (W53 supports DFS)
EU Model	2.4GHz band: 1 to 13ch 5GHz band: W52, W53, W56 (W53 and W56 support DFS) <i>* Please consult with us for more about international models.</i>
Environmental Condition	
Storage Condition	-10°C to +50°C
Operational Condition	0°C to +50°C
Other	
External Dimensions	155mm x 32mm x 120mm (excl. Antenna and rubber feet)
EMC Regulatory	VCCI Class-B FCC Part15 SubPart B Class B ICES-003 Class B CE EN55022 Class B <ul style="list-style-type: none"> • EN301489-1/-17
Push Button:	2 buttons (Factory default setting, WPS)
Accessory	Main unit, AC adapter, AC cord, Setup guide & GPL sheet, Wireless antenna x 2, Rubber foot x 4

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