When it **Absolutely Must** Connect

SX-AP-4800AN2
Dual Band 802.11n Wireless Access Point

Ideal for Industrial and Enterprise Applications

Summary:

SX-AP-4800AN2 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-4800AN2 is ideal for industrial or enterprise supporting enterprise wireless security and PoE (Power over Ethernet).

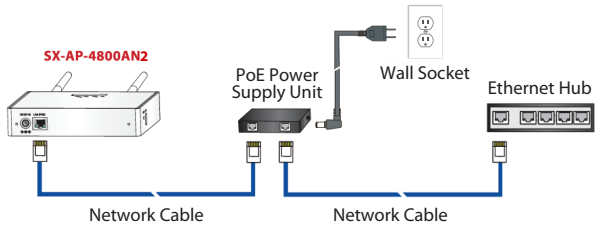
Features:

1. **Dual band support: 2.4GHz, 5GHz**
The IEEE 802.11a/b/g/n wireless LAN standards are supported. SX-AP-4800AN2 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**
Wireless LAN securities are highly concerned. The enterprise security, IEEE 802.1X, is supported to achieve advanced safety.
   - WEP (64bit/128bit)
   - WPA-PSK (TKIP/AES)
   - WPA2-PSK (AES)
   - IEEE 802.1X EAP-PEAP, EAP-TLS, EAP-TTLS

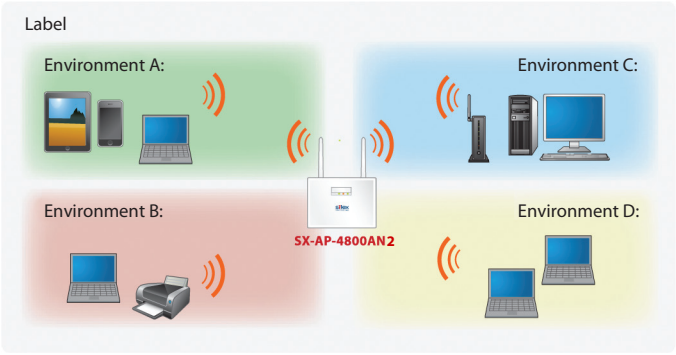
   ** Above functions will be available when communicating devices are supporting corresponding functions*

3. **PoE (Power over Ethernet)**
SX-AP-4800AN2 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.

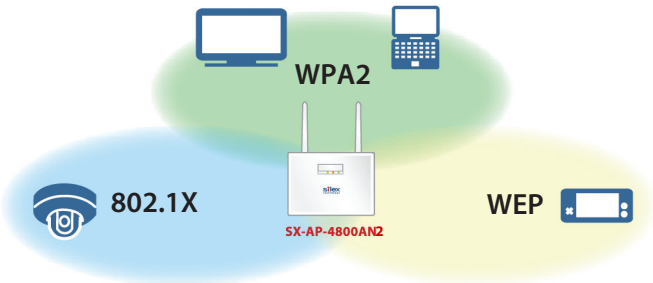


4. **Radio output setting function**
Wireless LAN radio intensity is configurable. The radio communication distance from SX-AP-4800AN2 will be shortened by lowering intensity and allows interference for other wireless networks.

5. **Multiple logical wireless interfaces (Multi SSID)**
More than one SSID is configurable at a time. SX-AP-4800AN2 can virtually operate as maximum of 4 access points.



Each SSID can have individual security settings.



Mixed Usage

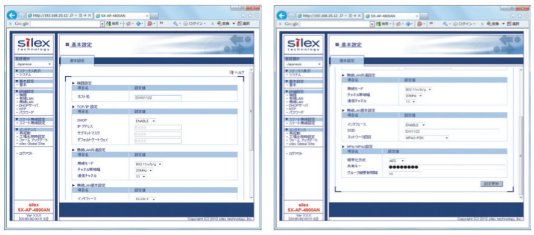
PN: 141-20127-100
REV B 20130505

When it **Absolutely Must** Connect

SX-AP-4800AN2
Dual Band 802.11n Wireless Access Point

6 Setting

The wireless setting is configurable using a web browser. The push button on the SX-AP-4800AN2 complies with WPS (Wi-Fi Protected Security).



Web Setting Page

Introduction of Wireless Bridge (Station Device):

Wireless Bridge
SX-BR-4600WAN2

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)
- Original easy setting using a LAN cable (patented)
- Supporting enterprises security
  - WEP, 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-4800AN2
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: DS-SS) IEEE 802.11g 2.4GHz (Modulation method: OFDM) IEEE 802.11n (Modulation method: OFDM) • MIMO (Multiple Input Multiple Output) • A-MPDU and A-MSDU of Aggregation function • HT20/HT40 mode (high-throughput mode)
Total Number of Connectable Devices	32 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) ** Please consult with us for more about international models.*
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 • 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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