

# SX-AP-4800AN

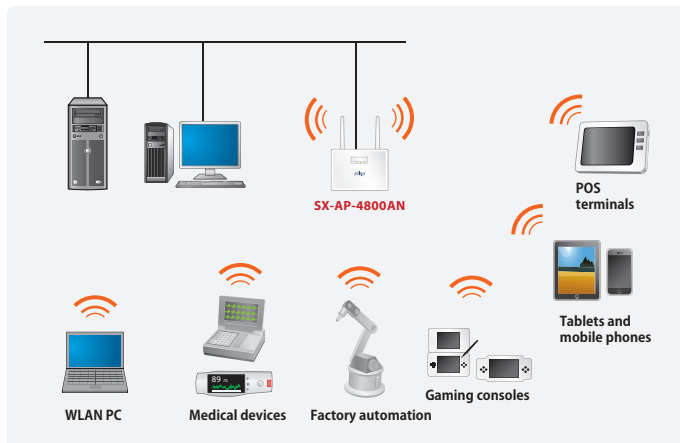
## Dual Band 802.11a/b/g/n Wireless Access Point

Ideal for Industrial and Enterprise Applications



### Summary:

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

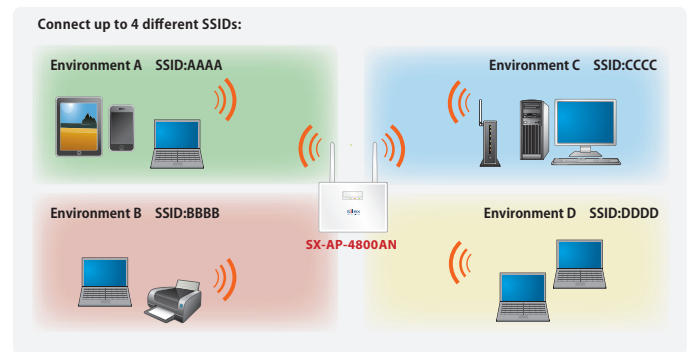


### 4 Radio output setting function

Wireless LAN radio intensity is configurable. The radio communication distance from SX-AP-4800AN 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-4800AN can virtually operate as maximum of 4 access points.



Each SSID can have individual security setting.

### 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

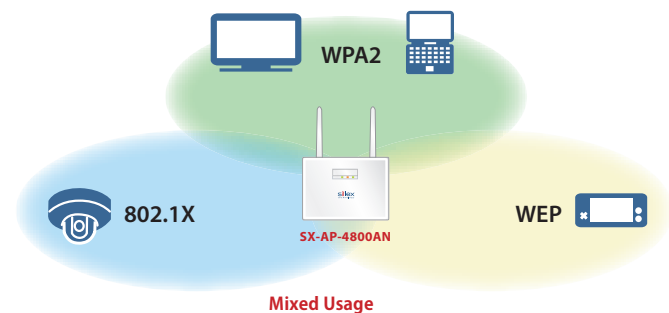
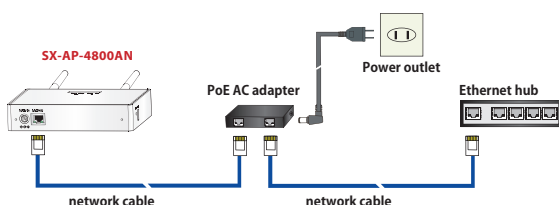
High Wireless LAN security. The enterprise security, IEEE 802.1X, is supported to achieve advanced safety.

- 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

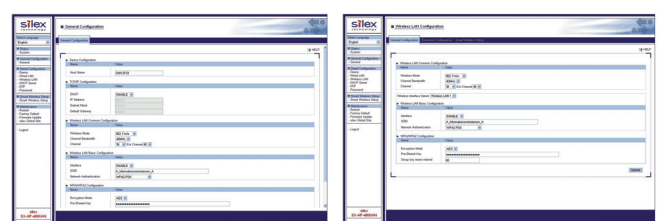
#### 3 PoE(Power over Ethernet)

SX-AP-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.



### 6 Setting

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



Web Configuration

## Technical data

Article name	SX-AP-4800AN
Article number	E1272
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) <ul style="list-style-type: none"> <li>MIMO (Multiple Input Multiple Output)</li> <li>A-MPDU and A-MSDU of Aggregation function</li> <li>HT20/HT40 mode (high-throughput mode)</li> </ul>
Max clients:	32 devices
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:	EU Mode: 2,4 Ghz band: 1 to 13 ch 5 Ghz band: W52, W53, W56 (W53 and W56 support DFS) *Please consult us for more about international models.
Radio output:	Setting is configured by 5% within the range from 5% to 100%
Environmental condition	
Storage condition:	-10 - +50°C
Operational condition:	0 - +40°C
Other	
External dimensions:	155mm x 32mm x 120mm (excl. Antenna and rubber feet)
EMC regulatory:	<ul style="list-style-type: none"> <li>VCCI Class-B</li> <li>FCC Part15 SubPart B Class B</li> <li>ICES-003 Class B</li> <li>CE EN55022 Class B</li> <li>EN301489-1/-17</li> </ul>
Push button:	2 buttons (Factory default settings, Smart wireless setting)
Carton contents:	Main unit, AC adapter, AC code, Setup Guide, GPL Inquiry sheet, Wireless antenna x2, Rubber foot x4

## Complimentary Device

### Wireless Bridge SX-BR-4600WAN



SX-BR-4600WAN is a wireless bridge that is designed to convert wired 10/100/1000BASE-T LAN devices into wireless LAN devices. Wired LAN devices can be connected in a wireless LAN environment. SX-BR-4600WAN supports wireless securities and fulfills highest security standards.

- 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 enterprise security  
WEP, WPA, WPA2, IEEE 802.1X authentication

**For manufacturers:** silix technology offers manufacturers the technology as an OEM product. For more information on OEM products contact Silix: [sales@silixeuropa.com](mailto:sales@silixeuropa.com) [www.silixeuropa.com/oem](http://www.silixeuropa.com/oem)

## Wireless Access Point



SX-AP-4800AN

## About silix

Since 2000, silix technology europe GmbH has been a subsidiary of the Japanese company silix technology, Inc. The parent company in Japan has been involved in development and production since 1973. Thus silix technology can look back on nearly 40 years of experience and quality work. In addition to the central company headquarters in Kyoto, there are locations in Tokyo, the USA, China and Europe.

Today, the silix group is not only a world market leader in integrated network printing technology, but also a leading supplier of connectivity in the areas of USB, serial and WLAN. Many well-known manufacturers of computer peripherals rely on the technologies of silix technology and use them as OEM suppliers for their own products.

Their product line includes print, USB and serial device servers, as well as modular WLAN solutions. In addition to mature technologies and quality products, the company also offers a complete ranges of services, such as lifetime free support by telephone, email or remote access for all customers.



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