

## IEEE802.11n/a/b/g Wireless LAN Access Point Board FXE2000-G



\* Specifications, color and design of the products are subject to change without notice.

### Features

#### - Compatible with 4 standards, IEEE802.11n/a/b/g

You can choose 24 ch (W52/W53/W56/W58\*1) in the 5 GHz (IEEE802.11n/a), and in the 2.4 GHz (IEEE802.11n/g), you can choose from 1 to 11ch. So, it is possible to design a flexible wireless network to adjust a radio wave interference.

#### - Supports a various power supply

This product support a various power supply, such as AC adapter, DC power from 5 to 30 VDC, and PoE.

#### - The proprietary encryption technology "WSL" that is available along with WPA2/WPA and WEP.

This product supports an sophisticated security standard "WPA2/WPA", "IEEE 802.1X authentication", "MAC address filtering" and "ESSID hide". In the addition, it also supports the proprietary encryption technology "WSL" that is available along with WPA2/WPA and WEP.

#### - Features variety of functions, including VLAN and a virtual AP function

This product has a virtual AP function that allows operating VLAN function and an AP as a multi-AP, and configuring the settings for different security. Furthermore, this product can store a large event log capacity (Conventional ratio: seven times, Approx: 15,000 logs).

### Specification

Name			Specification
Unit Type			Station / Access Point / Repeater
Wired LAN			
Ethernet standard			IEEE802.3(10BASE-T), IEEE802.3u(100BASE-TX)
Port Speed			10/100Mbps/Half Duplex, Full Duplex/ 1
Wireless LAN			
Wireless Networking Standard			IEEE802.11n, IEEE802.11a, IEEE802.11b, IEEE802.11g
Channel*1			
USA (FCC)	IEEE802.11n IEEE802.11a	Access point / Repeater	5GHz: 24h(36, 40, 44, 48ch[W52], 149, 153, 157, 161, 165ch [W58] )
		Station	5GHz: 24h(36, 40, 44, 48ch[W52], 52, 56, 60, 64ch [W53], 100, 104, 108, 112, 116, 132, 136, 140ch [W56] 149, 153, 157, 161, 165ch [W58] )
	IEEE802.11n IEEE802.11g IEEE802.11b		2.4GHz: 11ch (1 - 11)
	EU (CE)	IEEE802.11n IEEE802.11a	5GHz: 19h(36, 40, 44, 48ch[W52], 52, 56, 60, 64ch[W53], 100, 104, 108, 112, 116, 120, 124 , 128, 132, 136, 140ch[W56] )
IEEE802.11n IEEE802.11g IEEE802.11b		2.4GHz: 13ch (1 - 13)	
IEEE802.11n			
Data transmission speed *2			300 ~ 6.5Mbps[MSC0 - 15, Short/Long GI] (Fixed/Auto)
IEEE802.11a			
Data transmission speed *2			54, 48, 36, 24, 18, 12, 9, 6Mbps (Fixed/Auto)
IEEE802.11b			
Data transmission speed *2			11, 5.5, 2, 1Mbps (Fixed/Auto)
IEEE802.11g			
Data transmission speed *2			54, 48, 36, 24, 18, 12, 9, 6Mbps (Fixed/Auto)
Security			
IEEE802.11n			WPA(AES), WPA2(AES), WPA-PSK(AES), WPA2-PSK(AES), WSL(combination mentioned above are possible)
IEEE802.11a/b/g			WEP(open/ Shared Key /Auto), WPA(AES, TKIP), WPA-PSK(AES,TKIP), WPA2(AES, TKIP), WPA2-PSK(AES,TKIP), IEEE802.1X(EAP-TLS, PEAP), WSL(combination mentioned above are possible)
Antenna			chip-antenna×2 MIMO
External dimension (mm)			87.0(W) x 89.2(D) x 17.5(H)
Weight			50g

\*1 Varies depending on the country in which the product is used

\*2 These are theoretical values based on their respective wireless LAN standards; they do not indicate actual data transfer rates.

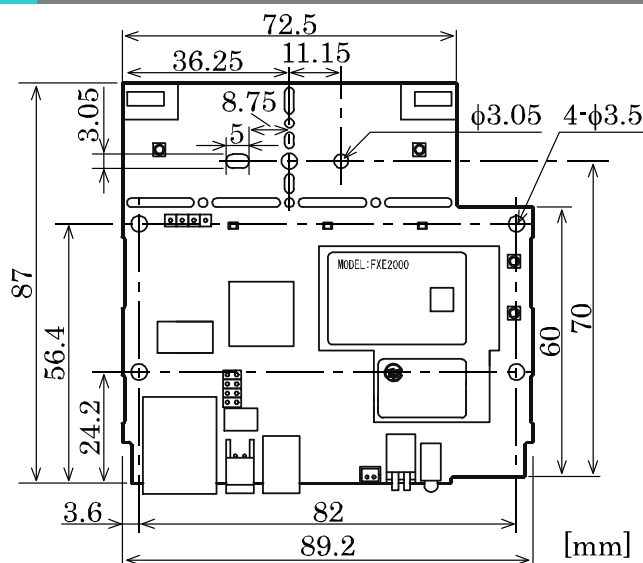
## Environmental Specifications

Name	Specification
Input voltage range	5VDC $\pm$ 5% (DC Jack), 5 ~ 30VDC $\pm$ 5% (power connector), 24VDC $\pm$ 10% (PoE)
Rating input current	1.05A (5VDC input), 0.19A (30VDC input) (Max.), 0.24A (PoE input 24V)
Operating ambient temperature	0 ~ 50°C
Operating ambient humidity	10 ~ 90%RH (No condensation)
Floating dust particles	Not extreme
Corrosive gases	None

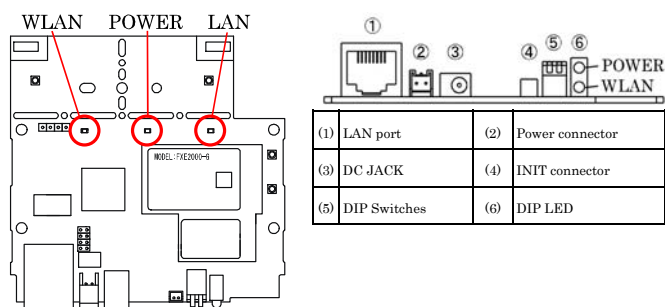
## Product Configuration List

Main unit (FXE2000-G)...1  
Setup Guide...1

## External Dimensions



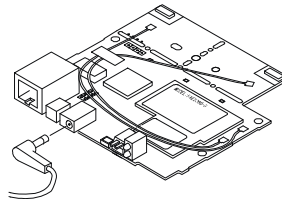
## Component Locations



## Power Supply

### Using the DC JACK

The power plug to be used must conform to EIAJ voltage classification 2.



### CAUTION

When supplying power via the LAN connector, do not use a combination of power supplied from the power connector and the AC adapter.

### Using the Power connector

The power connector in Figure 1 can be used to supply power from an external source. Use the following power cable or its equivalent.

Power connector			
Housing: JST S02B-PASK-2(LF)(SN)			
Cable: AWG28-16(equivalent to it)			
Pin No.	Nome	Operation / function	1 pin
1	Vi+	5-30VDC $\pm$ 5%	
2	Vi-	GND	

### CAUTION

When supplying power from the power connector, do not use a combination of power supplied via the LAN connector and the AC adapter.

### When supplying the LAN cable power

### CAUTION

Create the power cable correctly as specified. Using the power cable with the housing pins assigned wrong numbers may result in device faults or accidents.

The input voltage range of this product is from 5 to 24 VDC  $\pm$ 5%. Supply power outside that range may result in device faults or accidents.

Use the power supply whose supply voltage rises to at least 4.75VDC within the input voltage range within 10ms. Using a power supply which does not satisfy this condition may result in device faults or accidents.

Input voltage range: 5 to 30 VDC  $\pm$  5%. Use a power supply that rises to 4.75 VDC or higher in the input voltage range within 10 ms. There is a risk of damage to the device or accident if a power supply outside this range is used.

