When it **Absolutely Must** Connect

SX-ND-4350WAN Plus
Wireless Interactive Display Adapter & Access Point

Immersive Classroom Learning Using PCs - Tablets - Electronic Whiteboards

▶ Overview:

Students and Teachers in a classroom can easily connect, interact, and share content with each other over WiFi using the SX-ND-4350WAN Plus from Silex. Interactive boards, touch displays, monitors, and projectors can be used with the SX-ND-4350WAN Plus to connect devices running Windows, Android, and Chrome OS over WiFi using the SX Virtual Link Display for Education Software from Silex.

▶ Main Features:

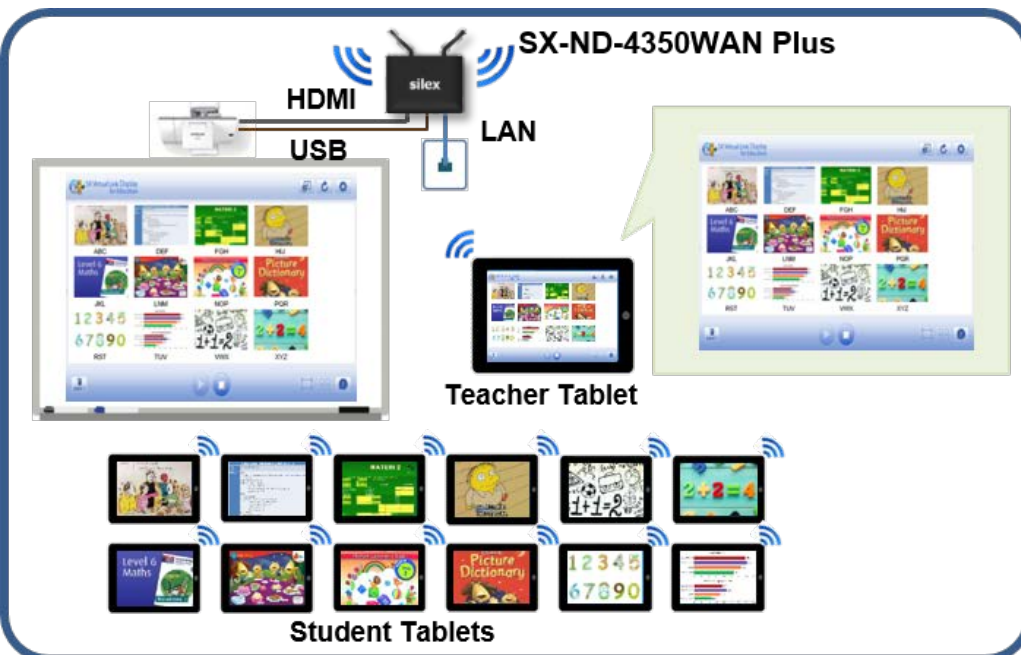- **Interactive Image Transmission Including Touch Inputs**
  Projects the teacher's screen (Windows) in real time on to an interactive board over a dual-band 802.11a/b/g/n WiFi connection including touch inputs. The teacher can also project students' screens (Windows, Android, and Chrome OS).

- **Robust and Dedicated AP for Classrooms**
  A dedicated SX-ND-4350WAN Plus dual-band high-performance WiFi AP in each classroom provides a more stable and distributed network for a better user experience. It can securely connect up to 52 wireless client devices.

- **SX Virtual Link Display for Education**
  Silex USB Virtual Link Technology™ enables various input devices such as touch panels or USB devices to be remotely accessed from other devices on the network using our USB over IP technology.

- **Supports Full HD Resolution**
  Full HD (1920 x 1080) resolution ensures high picture quality.

- **Bidirectional Data Transfer with Various USB Devices**
  USB events from computer/laptop/tablet i.e. touch input events transfer over WiFi to the display/interactive board as well as any touch events from the display/interactive board transfer to the computer/laptop/tablet screens promoting interactive learning.

Proven in 2500+ Schools

silex technology

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❖ Example Applications

Real time wireless interactive collaboration between teacher and student including touch input and display.
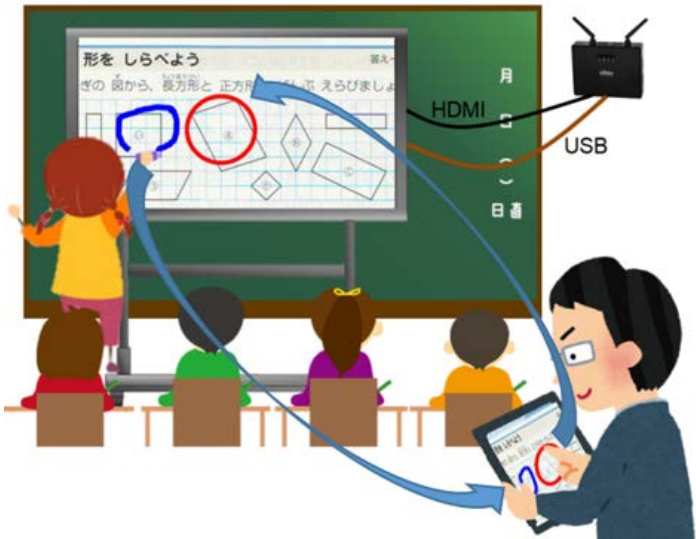
Bidirectional USB touch input transfer between students/teachers and interactive board over WiFi

Optional Mounting Accessory:
Bracket Type III
For permanent product installations, an optional metal fitting can be used for wall or ceiling mount when required.

OEM circuit boards for integration into a display and SDK solutions are also available. Please contact us for details.

❖ Technical Data:

	Product Name	SX-ND-4350WAN Plus
Wired LAN	Interface	RJ-45 1 port (supports Auto MDI/MDI-X)
	Standard	Conforms to IEEE802.3 10BASE-T/100BASE-TX/ 1000BASE-T
	Security	MAC address filter
Wireless LAN	Interface	IEEE802.11a/b/g/n 2T×2R (Up To 300Mbps)

	Transmission Method	IEEE802.11a 5GHz (modulation method: OFDM）
		IEEE802.11b 2.4GHz (modulation method: DS-SS）
		IEEE802.11g 2.4GHz (modulation method: OFDM）
		IEEE802.11n (modulation method: OFDM）
		  – MIMO (Multiple Input Multiple Output）
		  – A-MPDU and A-MSDU support
		  – HT20/HT40 mode (high-throughput mode)

	Radio Wave Output Setting	20 stages can be set at an interval of 5% from 5% to 100%
	Bandwidth Control	QoS
	Maximum Clients	52 wireless clients
	MultiSSID	4
	Security (authentication method)	Open, Shared, WPA-PSK, WPA2-PSK, WPA/WPA2-PSK (MIX) mode, 802.1x, WPA-Enterprise, WPA2-Enterprise, WPA/WPA2-Enterprise (MIX) mode
	Security (coding method)	AES, TKIP, AUTO, WEP (64/128bit)
	Security (others)	Stealth SSID, Privacy separator, MAC address filter
	Smart Wireless Setting	"Smart wireless setting" for client connection by push button, PIN cord, Supported external registerer
Image Transmission	Interface	HDMI x 1 port
	Display resolution	Maximum resolution: Full HD (1920 x 1080)
	Display function	Mirror mode (reproduction)
USB	Interface	USB2.0 × 2 Ports
Other	Supported OS (Teacher)	Windows 7, 8, 8.1, 10
	Supported OS (Student)	Windows 7, 8, 8.1, 10, Android 5.0, Chrome OS
	Supported utility	SX Virtual Link Display for Education
	External dimension	120mm × 155mm × 32mm (excluding antenna)
	Accessories	Main body, AC adapter, Setup guide, Rubber feet (4), GPL notification sheet

silex global sales & support locations

US Office
silex technology america, Inc.
US toll free 657-218-5199
www.silexamerica.com
sales@silexamerica.com

Europe Office
silex technology europe, GmbH
+49-2154-88967-0
Germany toll free 0800-7453938
www.silextechnology.com
contact@silexeurope.com

India Office
silex technology india, Pvt. Ltd.,.
+91-44-43033234
www.silex-india.com
support@silex-india.com

Corporate Headquarters
silex technology, Inc.
+81-774-98-3781
www.silex.jp
support@silex.jp