

HDBaseT Media Switch

NP01SW1/NP01SW2

NEC's NP01SW1 media switch combines the ease of push button operation with a single CAT6 connectivity to a NEC Display or projector.

The NEC NP01SW1 HDBaseT media switch combines the ease of use of a push button media switch with the robust connectivity of HDBaseT. Connecting a single CAT6 cable between the switch and display/project a user can not only send up to 4K video, but also control the display device (either through the internal controls or the devices IR remote) and USB A/B connectivity allowing for control of the source device from a touch enabled projector/large format display. Combining the video and control connectivity with the built in microphone input and level controls makes the NP01SW1 an ideal solution in the conference room, classroom, or anywhere multiple sources need to be combined together and easily sent over a long distance.



The NP01SW2 includes the receiver module so that the NP01SW1 media switch can be used with NEC displays and projectors that do not have HDBaseT receivers built in or can not use the SB-7BC OPS module.

Delivering Genuine Benefits

Send video over extreme distance: HDBaseT technology allows for 4k video to be sent up to 100m

Control Included: Turn the NEC large format display or projector on/off and adjust the volume with the push of a button on the NP01SW1 or use the wireless remote with the display/projector for greater control.

Easy set-up and operation: Preprogrammed for control of NEC large format displays and projectors

More than just a switch: USB connectivity allows for 2 way communication when using a white board or touch screen configuration

Robust connectivity: Switch between up to 3 HDMI inputs as well as a microphone and a USB A/B device inputs all in one device

The NP01SW1 switch will work with HDBaseT compliant 3rd party receivers

		Interface selector NP01SW1	Interface selector+Receiver box NP01SW2	
		Interface selector	Interface selector	Receiver box (NP01R)
Maximum pixel clock		Pixel clock frequency: up to 300MHz	Pixel clock frequency: up to 165MHz	
Maximum Resolutions (HDMI)		"4096x2160@30Hz (4K) 1920x1080@50/60Hz (1080p)"	1920x1200@60Hz (WUXGA @RB) 1920x1080@50/60Hz (1080p)	
HDBaseT support cable lengths		(TMDS clock >= 225MHz) max 70m / (TMDS Clock <225MHz) max 100m CAT5e STP or more (Recommended thickness AWG23)	max 30m CAT 6a STP or more (Recommended thickness AWG23)	
Input Terminals (Visual)	HDMI ® (Type A 19pin)	3 HDMI <HDMI In> (HDMI1/HDMI2 support only HDMI/ HDMI3 supports HDMI and MHL) HDCP /Deep color:8/10/12-bit supported/3D/4K audio input LPCM sampling frequency (32/44.1/48kHz (depend on display unit)	3 HDMI <HDMI In> (HDMI1/HDMI2 support only HDMI/HDMI3 supports HDMI and MHL) HDCP / Deep color: 8/10/12-bit supported*1/3D*2 audio input LPCM sampling frequency: 32/44.1/48kHz (depend on display unit)	
Input Terminals (Mic)	Stereo mini Jack	1 Dynamic mic/Condenser mic	1 Dynamic mic/Condenser mic	-
Output Terminals	"HDMI ® (Type A 19pin)	-	-	1HDMI<HDMI out> HDMI digital video/ audio output For PJ/MN
USB port*3	Type A	n.a	1<USB>USB2.0 Configurable either as Host or as a Device USB port	
	Type B	n.a	1<USB>USB2.0 Configurable either as Host or as a Device USB port	
LAN *4	Wired LAN(RJ-45)	100Base-TX	n.a	
Control Terminals	Tx:For Service*5	1 D-sub 9pin <For service> (38400bps)		-
	Rx: For control	-		1 D-sub 9pin <For Control> (4800/960 0/19200/38400/115200bps)
HDBaseT	RJ45	1OUT For PJ/MN	1OUT For Receiver box	1INPUT From Interface selector
IR	Remote Controller	INPUT (Transmit only with sub carrier on remote signal)	n.a	
Environment (AC adapter)	Operational Temp	41 to 104deg.F (5 to 40deg.C), 20 to 80% Humidity (Non-Condensing)		
	Storage Temp	14 to 122deg.F (-10 to 50deg.C) , 20 to 80% Humidity (Non-Condensing)		
	Operational Altitude	0 to 2600 m (8,500 ft.)		
Power Requirement (AC adapter)	U version	100-240VAC 50/60Hz	100-240VAC 50/60Hz	-
	G version			
	+ version	-	-	-
	J version	100VAC 50/60Hz	100VAC 50/60Hz	-
Input Current (AC adapter)	U version	1.4A		-
	G version			
	+ version	-		-
	J version	1.4A		-
Power Consumption (include AC adapter)	Main power switch on	21W		-
	a) Network stand-by (typ)	-		
	b) Normal stand-by (typ)	0.1W (main power switch off)		-
	c) Network stand-by (typ) (for ErP) *6	-		-
	d) Network stand-by (for ErP)	-		-
	e) Normal stand-by (for ErP)	0.1W (main power switch off)		-
Calorific value		71.7BTU(*7) / 71.7BTU(*8)	71.7BTU(*6) / 71.7BTU(*7)	-
		(1KWh=3412.14British Thermal Unit)		
Cabinet Material		PC+ABS		SECC
Dimensions (W x H x D)		285mm x 64mm x 187mm / 11.2 x 2.5 x 7.4inch		126mm x 52mm x 119mm / 5.0 x 2.0 x 4.7inch
	without protrusions	285mm x 64mm x 187mm / 11.2 x 2.5 x 7.4inch		120mm x52mm x 113mm / 4.7 x 2.0 x 4.4inch
Net Weight		1.4kg / 3.1lbs.		0.5kg / 1.1lbs.
Gross Dimensions (W x H x D)		354mm x 175mm x 255mm /13.9x 6.9x 10.0inch	354mm x 175mm x 333mm /13.9x 6.9x 13.1inch	
Gross Weight		2.9kg / 6.4lbs.		3.6kg /7.9lbs.

Note)

*1: 1080p signal supports up to 8 bit signal. On the other hand, signal as 1080i, 720p, 480p, and 480i, etc. support up to 12 bit signal.

*2: Does not support signal exceeds 1080p 30Hz and 1080i 60Hz, etc.

*3: Only one port (USB-A or USB-B) is available.

*4: This product's LAN port does not support PoE. Connecting this product's LAN port to a network supplying electric power could result in combustion or damage.

*5: This terminal is for service purpose only. (Not available for users)

*6: All wired network ports are connected and active.

*7: 100V-130VAC