AMX NMX-DEC-N2625-WP

MWC 4K60 4:4:4 Decoder Wallplate (US & EU/UK)

AMX-N26D012 (US)
AMX-N26D012EK (EU/UK)

The AMX NMX-DEC-N2625-WP Decoder Wallplate (US & EU/UK Versions)

Overview

The AMX SVSI NMX-DEC-N2625-WP is a cost-effective, powerfully robust decoder wallplate. It features a high-quality, low-latency 4K60 4:4:4 MWC codec that is ideal for decoding both live video and detailed content in classrooms, meeting spaces, courtrooms, bars, and other applications.

Additional features include transport of full-bandwidth USB 2.0 signals, video preview images viewable from the built-in web interface or from a touch panel, and enhanced support for high-security networks. Decoder wallplates create an elegant and secure installation when installed behind a wall-mounted display.

These Decoder Wallplates are available in two models: NMX-DEC-N2625-WP-NA (US Version) and NMX-DEC-N2625-WP-EK (EU/UK Version). Models include both black and white faceplate inserts to ensure they blend seamlessly within modern decors. The EK model also includes black and white wallplate covers.

Compatible encoders include the NMX-ENC-N2615-WP Encoder Wallplate and the N2600 “S” models, including the NMX-ENC-N2612S Encoder and NMX-ENC-N2612S-C Encoder Card.

Features

- High-Quality, Low-Latency 4K60 MWC decoding
- Video Preview viewable from the built-in web interface or from a touch panel
- USB 2.0 Transport
- High security network support and features, including multicast, VLAN tagging and QoS
- PoE powered with low-power mode for energy savings
- Open Direct-Control API

Specifications

VIDEO	
Digital Video Input	Network video over Ethernet via RJ45 port
Video Output	HDMI
Formats	HDMI 2.0, HDCP 2.2 content protection support
Progressive Input Resolutions	Supports most common HD resolutions up to 4K60 4:4:4
Output Resolutions	720p, 1080p, 4K60 or input resolution if scaler is disabled
Output Scaling	Note: there are no limitations when upscaling. A 4K60 signal can be downscaled to 1080p without issue. Scaling down to 720p from either 4K60 or 1080p is not supported.
Color Space	4:4:4, YUV
LocalPlay/HostPlay	8 playlists
HostPlay	TBD image/list
Note	Jumbo Frames Required
Video Wall Construction	TBD
Network Video Recording	Not compatible with SVSI NVR at this time

AUDIO	
Input Signal Types	Network audio over ethernet
Output Signal Types	Embedded audio on HDMI or Analog Audio Output
HDMI Audio Formats	8ch PCM
Analog Audio Format	Stereo 2-channel
Audio Breakway	Supported

KEYBOARD AND MOUSE	
Keyboard & Mouse	Connect the decoder to the keyboard and mouse, and an N2600 Series Encoder to the PC being controlled

USB 2.0	
USB	Connect the decoder to an end device such as USB camera, audio, or USB 2.0 device, and an N2600 Series Encoder to the PC.

LATENCY	
Latency	16-ms Scaling adds one frame of latency (17ms at 60fps)
Switching	Up to 1.25 seconds

COMMUNICATIONS	
Ethernet - PO	10/100/1000 Mbps, auto-negotiating, auto-sensing, full/half duplex, DHCP and Static IP
HDMI	HDCP, EDID management

PORTS	
P0	8-wire RJ45 port 10/100/1000 Mbps 10/100/1000Base-T auto-sensing gigabit Ethernet switch port Provides network connection, network AV video, and power to the Encoders and Decoders PoE power

IR OUT	•1/8” connector •Provides Infrared (IR) output only (33-60 kHz; typically, 39 kHz). Emitter is necessary (not included)
RS232	1/8” connector which provides a serial control interface. Full duplex communication. Available terminal speed settings: 1200-115200 baud rate
AUDIO OUT	3.5mm connector which provides an unbalanced input Dedicated audio input
HDMI OUT	HDMI video output (passive pass-through from HDMI IN only)
USB A CONNECTOR	2 – USB A connectors. Top connector is for USB 2.0 or KVM, Bottom connector is for the KVM only.

CONTROLS AND INDICATORS – FRONT PANEL	
RESET BUTTON	Recessed pushbutton Press to initiate a 'warm restart' causing the processor to reset, but not lose power. A reset does NOT affect the current settings
ID BUTTON	Recessed pushbutton Press to send a notification out on the network to identify the unit (the notification causes a pop-up dialog in N-Able and N-Command)
POWER LED	On solid (green) when operating power is supplied (via PoE or local power supply) This activity is also shown by the **PWR** LED on the rear panel
STATUS LED	On flashing (green) when there is software activity This activity is also shown by the STAT LED on the rear panel
STREAM LED	On (green) when the unit is streaming video
HDCP LED	On (amber) when HDCP is detected
LINK/ACT	Ethernet activity and status LED depicting the status of the ethernet connection.
HDMI VIDEO LED	On (green) when there is a connection to a valid HDMI sync
AUDIO LED	On (green) when the analog audio setting is enabled

POWER SUPPLY	
Power over Ethernet (PoE), External, Optional	Can be powered via a PoE switch or other equipment with a PoE source. Conforms to IEEE 802.3at Class 3 (802.3at Type 1) NOTE: In order for the unit to receive Power over Ethernet (PoE), it must be connected to a switch or other equipment that has a PoE PSE (Power Sourcing Equipment) port Warning: Do not run wiring that is connected to a PoE PSE port outside of the building where the PSE resides. It is for intra-building use only

ENVIRONMENTAL	
Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	Up to ~44 BTU/hr.

GENERAL	
Dimensions (HWD)	5.2” x 2.3” x 4.2” (13.2mm x 5.8mm x 10.6mm)
Weight	0.9 lbs (0.4 kg)
Regulatory Compliance	UL, FCC, and CE

3000 RESEARCH DRIVE, RICHARDSON, TX 75082 AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 | fax 469.624.7153
Last Revised: 2023-01-30