

# NVKMU-M42 (PoE)

# NVKMU-M41 (Non-PoE)



## 4K HDMI KVM Extender Matrix over GbE LAN with USB 2.0, Audio, IR, Serial, Video Wall, 100M

### Specifications

| Model Number          | Sender Unit   | Receiver Unit   |
|-----------------------|---|---|
| NVKMU-M42 (PoE)       | NVKMU-42L   | NVKMU-42R   |
| NVKMU-M41 (Non-PoE)   | NVKMU-41L   | NVKMU-41R   |
| MAX. Resolution       | 3840x2160@30Hz ( 4:4:4 )  |   |
| Video Extension       | HDMI 1.4 x 1 ( In )   | HDMI 1.4 x 1 ( Out )                                  |
| USB 2.0 Extension     | USB-B x 1   | USB-A x 4   |
| Speaker Extension     | 3.5mm SPK Jack x 1 ( In )<br>( Audio Embed Function )                           | 3.5mm SPK Jack x 1 ( Out )                            |
| Microphone Extension  | 3.5mm MIC Jack x 1 ( Out )<br>( Uni-Cast Only )                                 | 3.5mm MIC Jack x 1 ( In )<br>( Uni-Cast Only )        |
| IR Extension          | 3.5mm IR Jack x 1 ( Out )<br>3.5mm IR Jack x 1 ( In )                           | 3.5mm IR Jack x 1 ( In )<br>3.5mm IR Jack x 1 ( Out ) |
| Serial Extension      | RJ11 x 1 ( RS-232 )   | RJ11 x 1 ( RS-232 )                                   |
| Serial Control        | RJ11 x 1 ( RS-232 )   | RJ11 x 1 ( RS-232 )                                   |
| HDCP Compliance       | HDCP 1.4  |   |
| CAT.x Link Port       | RJ45 x 1  |   |
| MAX. Bandwidth        | 850Mbps Each Video Source   |   |
| LAN HUB               | GbE LAN HUB with IGMP, Jumbo Frame  |   |
| Extension Range       | MAX. 100M with CAT.x ( Unit-to-HUB )<br>MAX. 150M with CAT.x ( Point-to-Point ) |   |
| LED Indicators        | Status x 1  |   |
| Push Buttons          | Reset x 1, Function x 2   | Reset x 1, Function x 2                               |
| Power Supply( M42 )   | PoE from LAN HUB<br>( with Optional DC 12V )                                    | PoE from LAN HUB<br>( with Optional DC 12V )          |
| Power Supply( M41 )   | DC 12V  | DC 12V  |
| Operation Environment | 0~40°C, Humidity<80%  |   |
| Storage Temperature   | -20~60°C  |   |
| Material              | Metal   |   |
| H x W x D ( mm )      | 28 x 117 x 130  | 28 x 117 x 130  |
| Weight ( g )          | 610   | 610   |

### Features

- Allows Reliable Remote Access of Multiple Computers at Multiple Console Stations inside A LAN System
- Up to 16 Channels Selectable Using A Rotary Switch and May Broadcast to Up to 16000 Stations
- Support Multi-to-Multi, Multi-to-Single, Single-to-Multi, Single-to-Single Link Topologies
- EDID Management Ensures Display Compatibility
- HDMI 1.4 Video Supports Most Popular Resolutions Up to 4K@30Hz ( 4:4:4 )
- HDCP 1.4 Compliance Ensures Uninterrupted Video Playback
- USB 2.0 Extension Transparently Supports Keyboard, Mouse, USB Drive, and Others
- Front and Rear USB Ports Allow Easy Access
- Independent Audio and Microphone Extension Also Allows Embedded Audio
- Bidirectional IR Extension Facilitates IR Control of AV Sources
- Serial Extension and Serial Control Allows for Extensive Control Applications
- Plug-and-Play, No Driver or Software Required
- Support Windows / Mac / Linux / Chrome O.S.
- Video Wall Functions Up to The Size of 9x9
- PoE ( Power over Ethernet ) Allows The Units to Be Powered by The PoE HUB ( DC 48V )

### Overview

The 4K HDMI KVM Extender Matrix over GbE LAN, NVKMU-M42, enables 100M remote access to multiple computers at multiple stations, including interfaces of 4K HDMI 1.4 video, USB 2.0, Audio, plus IR and Serial for more controls.

### Connection Pattern

