DaisyNET II is a cascadable, 4K multiformat extender for various AV signals, Ethernet and control commands. Using HDBaseT technology, DaisyNET II can distribute these signals via a CAT cable over a distance of up to 100 meters from device to device without quality loss or any visible latency.

Usually you would need two separate devices - a transmitter and a receiver. DaisyNET II combines both in one device: the DaisyNET II transceiver (TRX). For applications where several sinks with different resolutions and aspect ratios are being used, the DaisyNET II family will be completed by a 4K scaling receiver (SRX) in late 2016.

The DaisyNET II TRX features four AV inputs: 1x HDMI, 1x DisplayPort and 1x analog RGB (VGA) plus analog stereo audio and one HDBaseT input on the rear. The outputs (1x HDBaseT and 1x HDMI) are also located on the rear. An analog audio output jack delivers the de-embedded stereo audio signal from the HDMI output.

One of the unique features of DaisyNET II is its cascadability: You can daisychain up to 32 units which allows the user to show a source signal on several sinks at the same time (point to multipoint). DaisyNET II features another unparalleled function: You can close the daisychain to a ring by connecting the last TRX with a CAT cable to the first TRX. Now all TRX units in this ring topology show the signal of a source TRX, no matter where it is located in the ring. This is ideal for applications like class rooms, training rooms, etc.

Another great feature is designed for large, separable conference rooms: The grouping mode. This allows the user to logically divide a large installation into

several independent sub-groups. The DaisyNET II TRX has two Ethernet ports: The front port is intended for the user´s PC, the rear port can be used to connect one TRX to a local network which then provides a 100MBit Ethernet infrastructure for all the other TRX units via HDBaseT.

Each TRX has three Phoenix connectors for external contact closures which allows the user to select one of the front inputs directly. And to make it even more comfortable, DaisyNET II now also features auto-switching for the inputs on the front. The ShowME button can be used to toggle between connected inputs. This feature can be combined with another new and unique feature: The TRX can power sinks up and down automatically as soon as the first source is connected or the last source is disconnected.

LEDs on the front show the currently active input, Phoenix connectors on the rear support external LEDs. A separate "LocateME" LED on the front helps to locate a specific TRX unit in a large installation: A click on a button in the web interface of a TRX unit activates the flashing LocateME LED.

The intuitive web interface also allows the user to configure a TRX in a very simple way without a separate software. It also offers functions like EDID management, IP configuration, group mode, etc. Due to it´s features, DaisyNET II is a unique signal management solution on the market.

And by a simple integration of the TRX into a desk connection panel, e.g. from Bachmann, DaisyNET II offers an easy to install, scalable and inexpensive yet very flexible solution to meet the demands of modern, sophisticated conference room installations of today and tomorrow.

Features

Supports HDMI 2.0 / HDCP 2.2

Uses HDBaseT technology

Bus or ring topology

Uncompressed, latency-free distribution of ultra high definition AV signals up to 100 meters via CAT6A or CAT7 cable

Cascadable (up to 32 units)

Supports resolution up to 4096x2160 pixels @ 60 Hz (HDMI and DisplayPort, VGA up to 1920x1200)

AV inputs: 1x HDMI 2.0 (HDCP 2.2), 1x DisplayPort 1.2 (HDCP 2.2), 1x VGA with analog audio, 1x HDBaseT

AV outputs:1x HDMI 2.0 (HDCP 2.2), 1x HDBaseT, 1x 3.5mm jack (analog audio)

HDMI connectors support lockable HDMI cables (e.g. Gefen)

Audio de-embedder (analog stereo L/R)

Group mode

Two Ethernet ports per unit

Simple configuration via web interface including EDID-Management

Control of the TRX via Ethernet

Gateway to RS232 for sink control

Phoenix connectors for three external buttons and LEDs for input switching

ShowMe button for input toggling

Front LEDs indicating current AV input, Ethernet and HDBaseT satus, LocateME function.

Tender documents

You can download the documents from www.daisynet.de

Specifications

Type	**DaisyNET II TRX**
Description	**DaisyNET II Transceiver (TRX)**
SKU	**7092DNTRX**

Connectors

AV inputs	1x HDMI 2.0 (HDCP 2.2), supports lockable HDMI connectors 1x Display Port 1.2 (HDCP 2.2 compliant) 1x VGA (Sub-D) + analog audio (3.5 mm stereo jack) 1x HDBaseT (recommended cable types: CAT6A/CAT7, AWG23)
AV outputs	1x HDMI 2.0 (HDCP 2.2 compliant), supports lockable HDMI connectors 1x Analog audio (3.5 mm stereo jack) 1x HDBaseT (recommended cable types: CAT6A/CAT7, AWG23)
Resolutions	HDMI and DisplayPort up to 4096x2160 @ 60 Hz VGA up to 1920x1200 @ 60 Hz All supported resolutions are listed in the user manual
Ethernet	2x RJ45 100Mbit (1x front, 1x rear)
RS-232	1x Phoenix connector for sink control (uses internal gateway from IP to RS232)
Input switching	3x Phoenix connectors for contact closures and 3x status LEDs (3.2-3.5 V, max. 20 mA) 1x ShowMe button (front), 1x Phoenix connector on the rear for external ShowMe button
Power connectors	Lockable barrel connector (diameter: 5.5 mm outside, 2.1 mm inside), Phoenix connector (2-pin)
Power supply	External 12V / 3A DC power supply
Power consumption	20,6 W (max.)
USB connector	Used as power source for charging tablets, smart phones, etc. (max. 1500 mA)
Size (W x H x D)	223 x 27 x 125 mm (without mounting brackets or feet)
Weight	800 g
Accessories included	Power supply, user manual, mounting brackets, adhesive rubber feet, 5x Phoenix connectors