Control Unit for TPN Series

TPN-CTU-X50 is a Control Unit (CU) for Lightware's TPN AV Over IP product line. With this control unit and an off-the-shelf 10G Ethernet switch installed as a crosspoint in the system, a virtual matrix can be created for TPN devices connected to the IP network as input and output endpoints.

Details

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TPN-CTU-X50 is designed to manage small TPN systems with at most 50 TPN endpoints. Technically, the TPN-CTU-X50 runs an SDVoE Control Server instance. It is this SDVoE Control Server instance through which the TPN endpoints (and consequently, the virtual matrix) can be reached and configured using the open SDVoE API. Thanks to this architecture, any third-party controller interface device that supports the SDVoE API can be used for managing the virtual matrix.

The controller also features Lightware Advanced Room Automation (LARA) with a LARA TPN driver. This driver offers various methods and functions for interfering with the TPN system without the need to use the SDVoE API. With an ever-growing feature set, the driver offers an easy way for crosspoint switching and performing basic setup tasks like assigning EDID to and adjusting HDCP capabilities of the TPN transmitters.

To ease system setup and operation, the driver also offers a graphical user interface for the integrator to perform setup tasks. Moreover, it includes an easily customizable user interface for crosspoint switching. With subsequent releases, more features are to be added.

The control unit has three independent Ethernet ports which ensures network design flexibility even in highly secure IT environments. Other control interfaces include six GPIO ports, two RS232 interfaces, plus an OCS sensor.

Features

- **Very small form factor**
- **In-built LARA for advanced automation tasks**
- **Directly accessible SDVoE API**
- **Three RJ45-type Ethernet connectors for flexible network configuration**
- Occupancy sensor connector
- Two RS232 connectors for device control
- GPIO interface for device control