

Plixus Next

Plixus New Network Extender



Description

The Plixus NEXT is an updated version of the original Plixus Network Extender.

It adds flexibility in powering ports, as well as diagnostic options, in a slimmer footprint with less power consumption.

Just like the original Plixus Network Extender, the Plixus NEXT allows for extension of the Plixus® conference architecture to enable a higher number of units on the network. It also creates a level of redundancy: 2 loops may be created with one extension unit. Additionally, Plixus NEXT devices may be daisy-chained to deploy very large installations of connected devices.

New in the Plixus NEXT is a DIP switch to provide fine-grained control over powering the ports. With up to 16 combinations, various ports may be configured in a flexible way. See DIP switch Table on the next page.

Finally, the Plixus NEXT has a new streamlined design. It is 40% lighter, 30% smaller, and uses 50% less power.

Connectivity

- » Two upstream ports towards the CU.
- » Four powered downstream ports towards the network.
- » The Network Extender supports redundant loop cabling.
- » The Network Extender is powered via the WAGO connector on the unit.
- » DIP switch with up to 16 combinations for flexible port powering.

Certification

| Region | Certification |
|--------|---------------|
| Europe | CE |

Specifications

| Mechanical | |
|-------------------------|----------------------------|
| Material | Steel |
| Color | Tiger Carbon 01 |
| Size (mm) | 135 (w) × 145 (h) × 25 (d) |
| Size packed (mm) | TBD |
| Weight | 400 |
| Weight packed | TBD |
| Network Power Connector | |
| Voltage | 48 VDC |
| Current consumption | Max 8 A |
| Power dissipation | 7 W |

Conference Network Ports (Upstream)

| | |
|------------|-----------|
| Link speed | 1000 Mbps |
|------------|-----------|

Conference Network Ports (Downstream)

| | |
|--------------------|-------------------|
| Power over cable | 48 VDC |
| Power over cable | 2 A per port |
| Continuous current | 1A per cable pair |
| Link speed | 1000 Mbps |

DIP Switch Table

| DIP Switch Setting | | | | Ports Powered at startup | Startup delay of first port (s) | Port interval (s) | Remark |
|--------------------|---|---|---|--------------------------|---------------------------------|-------------------|--|
| 1 | 1 | 1 | 1 | All Ports | 0 | 0 | Standard setting |
| 0 | 0 | 0 | 0 | None | NA | NA | No power, only data. Switches activated after startup, will power corresponding ports. |
| 1 | 0 | 0 | 0 | Port 1 | 0 | NA | 1 port powered |
| 0 | 1 | 0 | 0 | Ports 1+2 | 0 | 0.5 | 2 ports powered |
| 1 | 1 | 0 | 0 | Ports 1+2+3 | 0 | 0.5 | 3 ports powered |
| 0 | 0 | 1 | 0 | All Ports | 0 | 0.5 | delay 0 to 1.5 |
| 1 | 0 | 1 | 0 | All Ports | 2 | 0.5 | delay 2 to 3.5 |
| 0 | 1 | 1 | 0 | All Ports | 4 | 0.5 | delay 4 to 5.5 |
| 1 | 1 | 1 | 0 | All Ports | 6 | 0.5 | delay 6 to 7.5 |
| 0 | 0 | 0 | 1 | All Ports | 8 | 0.5 | delay 8 to 9.5 |
| 1 | 0 | 0 | 1 | All Ports | 10 | 0.5 | delay 10 to 11.5 |
| 0 | 1 | 0 | 1 | All Ports | 12 | 0.5 | delay 12 to 13.5 |
| 1 | 1 | 0 | 1 | All Ports | 14 | 0.5 | delay 14 to 15.5 |
| 0 | 0 | 1 | 1 | All Ports | 16 | 0.5 | delay 16 to 17.5 |
| 1 | 0 | 1 | 1 | All Ports | 18 | 0.5 | delay 18 to 19.5 |
| 0 | 1 | 1 | 1 | None | NA | 0 | Remote control* |

*Planned for future release