



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.

Certifications

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 (g)	400
Weight packed (g)	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	1 A per cable pair
Link speed	1000 Mbps

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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