FRENETIK

Core 4

Dante™ PoE+ 4 x 30 W / Mid-Span Distributor

User's manual

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CORE 4 - USER MANUAL

	Page
1. Carton Contents	4
2. Introduction	4
3. Example of use	4
4. Technical specifications	5
5. LED indicators	6
6. Operation of the dip-switches for the Power over Ethernet (PoE) function	6
7. Overview	7

1. Carton Contents

- 1 Dante™ PoE+ Core 4 distributor
- 1 power cord
- 1 user manual

2. Introduction

The Dante™ PoE+ Core 4 distributor offers one 10/100 Mbit/s connection port on the front panel and four 10/100 Mbit/s PoE+ ports on the rear panel.
The power activation for each output is performed by dip-switches on the front panel. The power available on each port is 30 W.

The PoE budget for all ports is 115W. The compact distributor operates without forced ventilation and can therefore be easily positioned in false ceilings, cabinets, etc. The power supply for each output is provided by dip-switches on the front panel.

Each port is equipped with a cable auto-detection system which allows the use of straight cables for any type of connection. Likewise, each port automatically detects the speed and transmission mode used and automatically adapts: 10 Mbits/s or 100 Mbits/s - Half-Duplex or Full-Duplex.

3. Example of use

4. Technical Specifications

Ref.	PS410DP
Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow Control IEEE 802.3at/af PoE midspan PoE
Ports	Number of ports: 5 PoE ports : 4 PoE enable (On/Off): Dip-Switches
Ethernet switch features	MAC Address: 1K Buffer Memory: 48KB Store and Forward Auto MDIX Auto Negotiation Non-Blocking
Packet filtering/transmission speeds	100Mbps port - 148,800pps 10Mbps port - 14,880pps
Network cables	100BaseTx Cat. 5 UTP/STP 10BaseT Cat. 3, 4, 5 UTP/STP
Standard PoE wiring	4, 5, 7 ,8
LED indicators	Per port: Activity / link with 10/100M, PoE ON/OFF (except Uplink) For the device: Power
Power	Input: 100-240 VAC, 50~60 Hz Outputs: 56 VDC 2.14 A (120 W)
PoE power on each port	30 W
Power consumption (excluding PoE)	5 Watts (Max)
Dimensions	44 × 160 × 122 mm (H x L x P)
Weight	0.80 kg
Operating temperature range	0 to 40°C
Storage temperature range	-20°C to 90°C
Humidity	10 to 90% (non-condensing)
Certifications	FCC Classe B, CE

5. Indicateurs LED

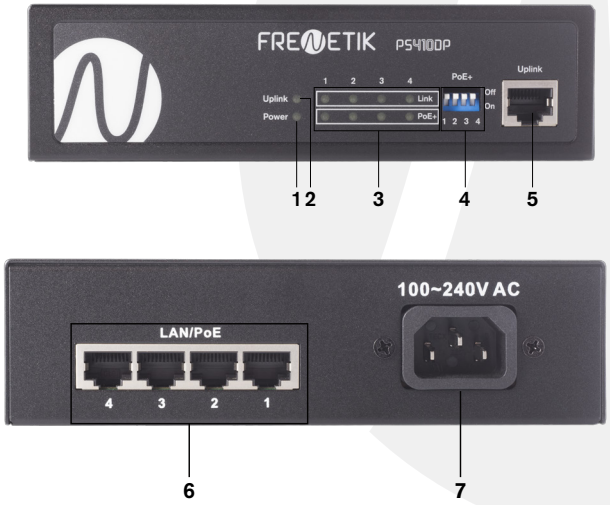
Power	**CONTINUOUS GREEN**	indicates that the unit is in operation
Uplink	**GREEN LIGHT**	indicates that the Ethernet Uplink port is connected
	FAST FLASH	indicates activity with a 100 Mbits link.
	SLOW FLASH	indicates activity with a 10 Mbps link
Link	**GREEN LIGHT**	indicates that the corresponding Ethernet port is connected
	FAST FLASH	indicates activity with a 100 Mbps link from the corresponding port.
	SLOW FLASH	indicates activity with a 10 Mbps link from the corresponding port
PoE+	**GREEN LIGHT**	Indicates that the PoE function of the corresponding port is enabled
	OFF LIGHT	Indicates that the PoE function of the corresponding port is not enabled

6. Operation of the dip-switches for the Power over Ethernet (PoE) function

	Ports 1 to 4 DIP ON
Per PoE+ port	30 Watts injected
Actual budget Total PoE	115 Watts

Note that dip-switches can be manipulated at any time. However, it is advisable to activate them before connecting the cables to the PoE ports. The device will automatically power off and on again if the total PoE consumption exceeds the available PoE budget. If this happens, it is advisable to turn off a PoE port.

7. Overview



1.	Uplink port operation indicator diode
2.	Mains power indicator diode
3.	LEDs for individual indication of PoE power presence and operation of each output port
4.	PoE Activation Dip-Switch for each output port
5.	Input port connector (Uplink)
6.	Output Connectors
7.	Mains power connector

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