

POE/POE+ SWITCHES

THE BEST SOLUTIONS IN ADVANCED IP SYSTEMS

noVus®



AAT HOLDING S.A.

PoE/PoE+ SWITCHES

NEW SERIES OF POE/POE+ SWITCHES WAS DESIGNED TO MEET THE REQUIREMENTS OF THE MOST ADVANCED IP SYSTEMS.

SOLUTIONS USED IN NOVUS SWITCHES:

- SUPPORT IEEE802.3 AF/AT STANDARDS
- HIGH PERFORMANCE OF PORTS
 - FOR 4- AND 8-PORT MAX. 63 W (UP TO 30 W FOR ONE PORT)
 - FOR 16-PORT MAX. 190 W (UP TO 30 W FOR ONE PORT)
- FOR A 16-PORT **SWITCH MANAGEABLE** MAX. 230 W (UP TO 38 W FOR ONE PORT POE+)
- FOR A 24-PORT **SWITCH MANAGEABLE** MAX. 370 W (UP TO 38 W FOR ONE PORT POE+)
- POSSIBILITY OF 16- AND 24-PORT INSTALLATION **MANAGEMENT SWITCH** IN THE 19" RACK CABINET (SWITCH HEIGHT 1U, HANDLES INCLUDED)

TECHNICAL SPECIFICATION

  					
NVS-3004SP		NVS-3104SP		NVS-3008SP	
Device type		PoE Switch		PoE Switch	
External ports		PoE Ports: 4 x 10 Mb/s / 100 Mb/s UPLINK ports: 1 x 10 Mb/s / 100 Mb/s		PoE Ports: 8 x 10 Mb/s / 100 Mb/s UPLINK ports: 1 x 10 Mb/s / 100 Mb/s	
PoE standards		IEEE802.3 af, IEEE802.3 at		IEEE802.3 af, IEEE802.3 at	
Switching capacity		1 Gbit/s		1.8 Gbit/s	
Protocols support		IEEE 802.3, IEEE 802.3u, IEEE 802.3x		IEEE 802.3, IEEE 802.3u, IEEE 802.3x	
MAC Address list		1K		4K	
Additional network features		-		-	
QoS support		-		-	
CCTV		Extended mode switch that increases transmission range and PoE to 250 m (Using 10 Mb/s bandwidth)		Extended mode switch that increases transmission range and PoE to 250 m (Using 10 Mb/s bandwidth)	
Additional operating modes		Extended		Extended	
Surge protection		yes		yes	
Buttons		-		-	
Case		Metal, color navy blue		Metal, color navy blue	
Dimensions	Width (mm)	100		178	
	Height (mm)	26		26	
	Length (mm)	100		65	
Weight		225 g		600 g	
Power Supply		51 VDC (power supply 100 ~ 240 VAC/51 VDC included)		48 VDC - 57 VDC (power supply 100 ~ 240 VAC/48 VDC included)	
Power consumption		63 W		63 W	
Power efficiency		63 W for ports 1 to 4, up to 30 W for one port		63 W for ports 1 to 8, up to 30 W for one port	
Operating temperature		0°C ~ 40°C		0°C ~ 40°C	
RACK Mount 19"		-		-	
NEW					

The values was achieved in a test environment. In different environment this value can change due to interferences or influence of other devices.

1Gb/s
7UPLINK



1Gb/s
7UPLINK



1Gb/s
7UPLINK



1Gb/s
7UPLINK



NVS-3108SP

NVS-3116SP

NVS-5016SP+

NVS-5024SP+

PoE Switch

PoE Switch

PoE+ Managed Switch

PoE+ Managed Switch

PoE Ports: 8 x 10 Mb/s / 100 Mb/s
UPLINK ports: 2 x 10 Mb/s / 100 Mb/s

Porty PoE: 16 x 10/100 Mb/s
Port UPLINK 1 Gb/s: 1 Uplink Combo x 1: SFP (1 Gbit) + RJ45 (1 Gbit)

Porty PoE: 16 x 10/100 Mb/s
Uplink Combo x 2: SFP (1 Gbit) + RJ45 (1 Gbit)

Porty PoE: 24 x 10/100 Mb/s
Uplink Combo x 2: SFP (1 Gbit) + RJ45 (1 Gbit)

IEEE802.3 af, IEEE802.3 at

IEEE802.3 af, IEEE802.3 at

IEEE802.3 af, IEEE802.3 at

IEEE802.3 af, IEEE802.3 at

5.6 Gbit/s

7.2 Gbit/s

7.2 Gbit/s

8.8 Gbit/s

IEEE 802.3, IEEE 802.3u, IEEE 802.3x

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z,
IEEE 802.3x, IEEE 802.1D, IEEE 802.1w, IEEE 802.1Q

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z,
IEEE 802.3x, IEEE 802.1D, IEEE 802.1w, IEEE 802.1Q

16K

4K

4K

4K

-

-

VLAN, IGMP snooping

VLAN, IGMP snooping

-

-

yes

yes

-

-

-

-

VLAN, Extended

-

-

-

yes

-

yes

yes

-

-

1 button to device reset

1 button to device reset

Metal, color navy blue

Metal, color navy blue

Metal, color navy blue

Metal, color navy blue

177.5

280

284

284

26

44

44

44

104

180

440

440

600 g

1.9 kg

4.35 kg

4.35 kg

48 VDC - 57 VDC
(power supply 100 ~ 240 VAC/48 VDC included)

100 ~ 240 VAC, 50/60 Hz

100 ~ 240 VAC, 50/60 Hz

100 ~ 240 VAC, 50/60 Hz

102 W

190 W

250 W

420 W

99 W for ports 1 to 8,
up to 30 W for one port

190 W for ports 1 to 16,
up to 30 W for one port

230 W for ports 1 to 24,
up to 38 W for one port

370 W for ports 1 to 24,
up to 38 W for one port

0°C ~ 40°C

0°C ~ 40°C

0°C ~ 40°C

0°C ~ 40°C

-

-

1U

1U

NEW

NEW

NEW

MANAGED SWITCH

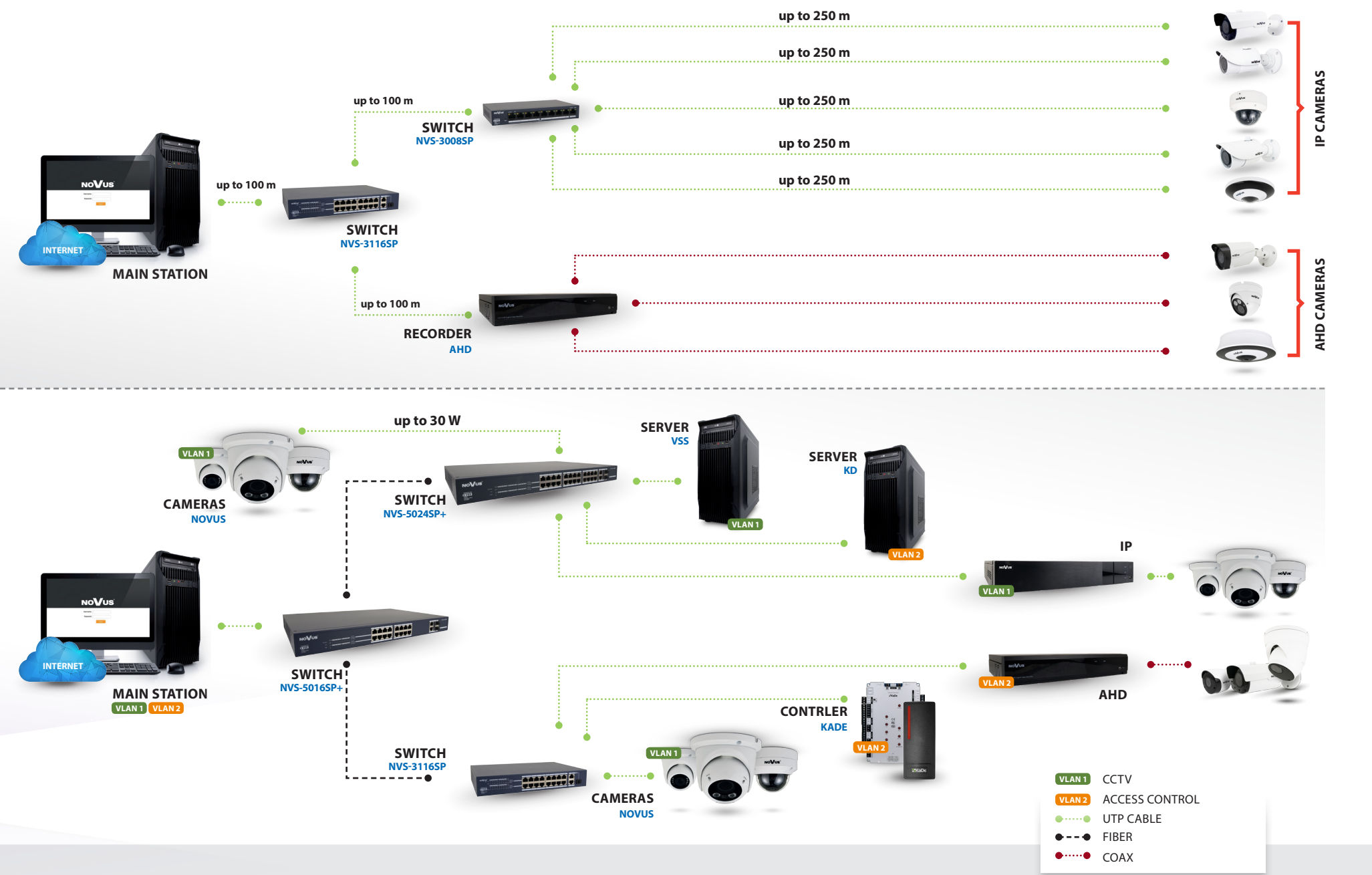
Managed switches allow isolation virtual local area networks (VLAN).

The switch transfers traffic from the assigned port to a given VLAN only to owned ports to this network and ports defined as common.

Ports can be assigned to VLAN statically or based on the MAC address of the connected device.

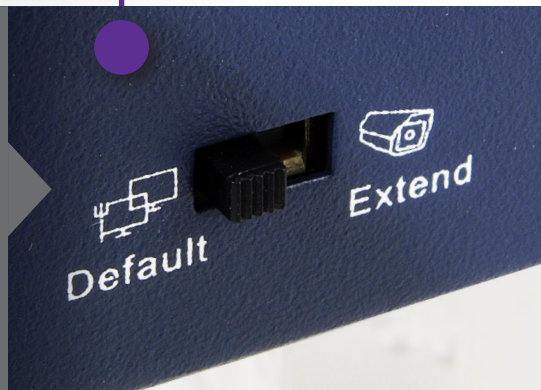


AN EXAMPLE OF A WIRING DIAGRAM





THE VSS MODE SWITCH INCREASES THE TRANSMISSION RANGE TO 250 M* - AT BANDWIDTH OF 10 MBIT/S (NVS-3004SP, NVS-3008SP, NVS-3108SP)



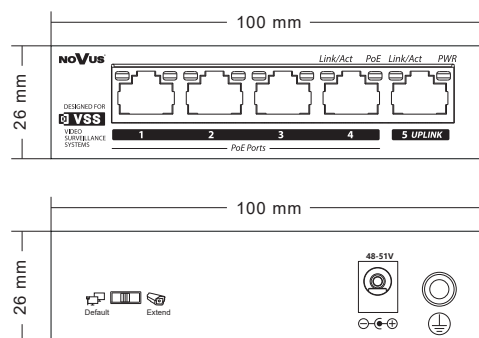
16- 24-PORT MANAGED SWITCH IS EQUIPPED WITH DOUBLE COMBO UPLINK PORT (SFP + RJ45)



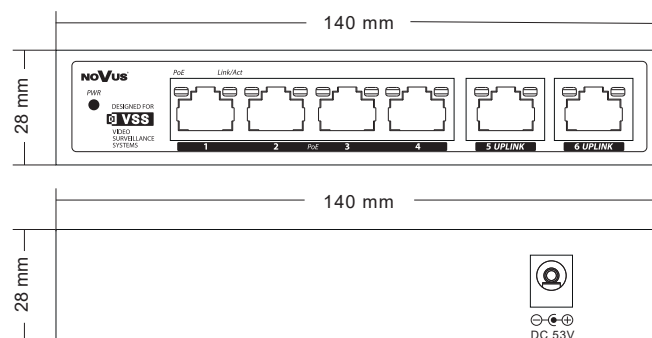
*THE RANGE WAS OBTAINED IN A TEST ENVIRONMENT AND ITS VALUE COULD VARY DUE TO INTERFERENCES AND INFLUENCE OF OTHER DEVICES

DIMENSIONS

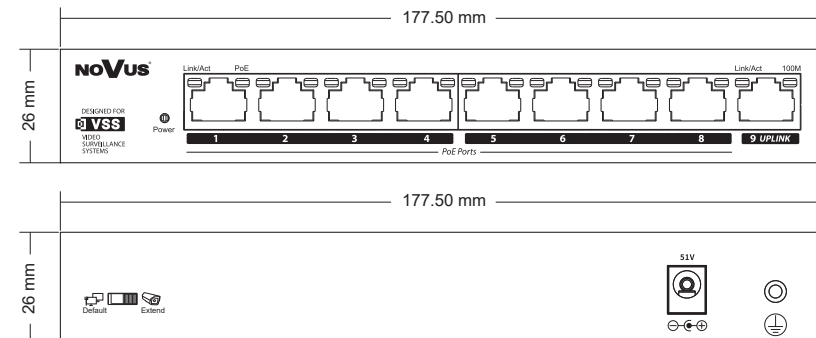
NVS-3004SP



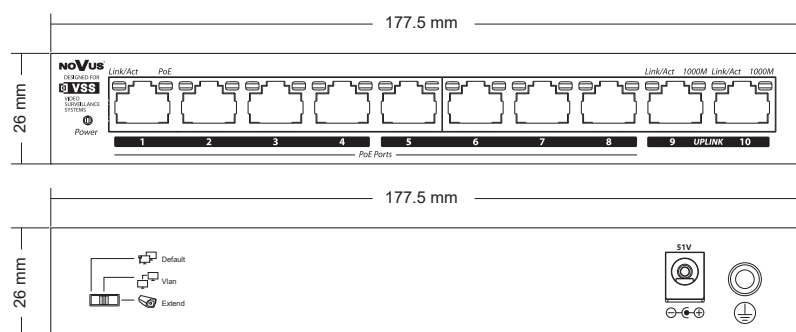
NVS-3104SP



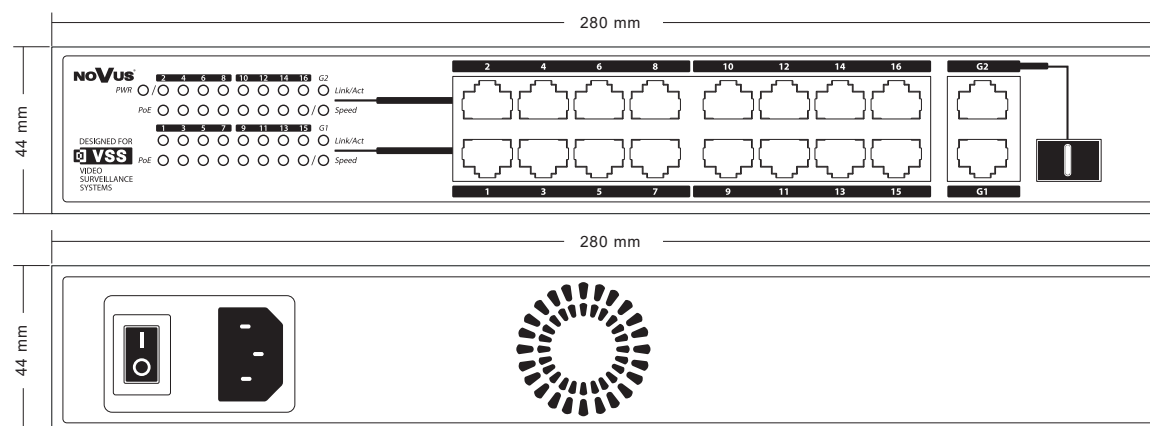
NVS-3008SP



NVS-3108SP

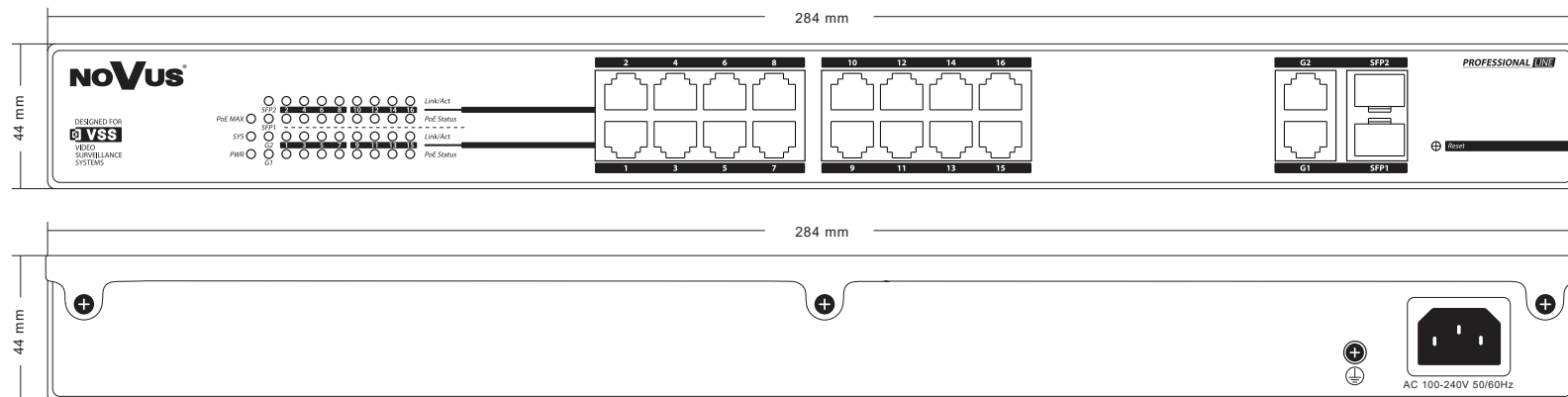


NVS-3116SP

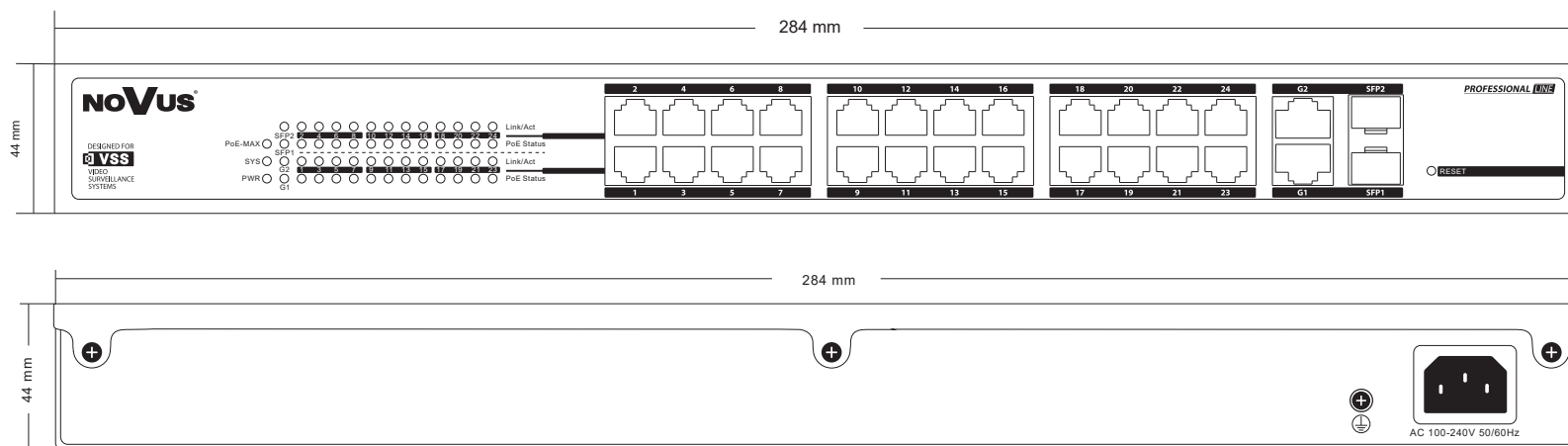


DIMENSIONS

NVS-5016SP+



NVS-5024SP+



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