



PoE Switch: ULTIPOWER 2216af (16xRJ45/PoE-802.3af, 2xRJ45-GbE/2xSFP), managed

Code: **N29986**



Front view



Rear view



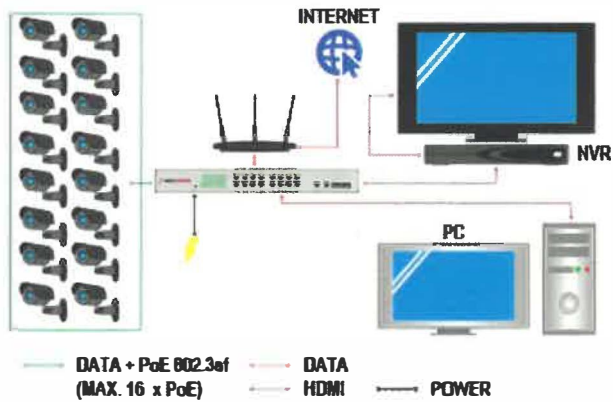
The included accessories

The ULTIPOWER 2216af PoE manageable switch ensures smooth connectivity in 10/100/1000 Mbps Ethernet networks. It has 19-inch rack-mountable housing, 16x RJ45 10/100 Mbps PoE ports, 2x RJ45 1000 Mbps ports and 2x SFP 1000 Mbps ports (COMBO mode). The 16 PoE ports automatically detect PD devices compliant with IEEE 802.3af standard and provide them with power supply. This feature allows the user to expand the network coverage in areas where there is no access to AC power lines/outlets and to employ access points, IP cameras, IP phones, etc.

Key features:

- 16x RJ45 10/100 Mbps PoE ports (each of them ensuring communication and power supply for a network device via a single UTP cable)
- 2x RJ45 1000 Mbps ports
- 2x SFP 1000 Mbps ports
- Manageability
- Support for VLANs
- No need for installation or configuration
- Max capacity of each PoE port: 15.4 W
- Support for (PD) PoE devices compliant with IEEE802.3af standard
- Support for auto-learning and auto-aging of MAC addresses
- LED indicators providing information on status/speed/activity/PoE

Application diagram



Example application diagram

802.3af vs. 802.3at

The most popular PoE standard, 802.3af, is used e.g. by IP cameras. The supplying voltage can vary from 44 to 57 VDC and the consumed power cannot exceed 15.4 W. The 802.3at version allows for powering devices with DC voltage within 50...57 V range, which consume up to 25.5 W. This group of devices includes printers, IP PTZ cameras, switches.

Specifications:

Name	ULTIPOWER 2216af
Code	N29986
Standards and protocols	IEEE802.3, 802.3u, 802.3ab, 802.3x CSMA/CD, TCP/IP
Packet Filtering / Forwarding Rates	10BASE-T: 14880 pps/port 100BASE-TX: 148800 pps/port
Transmission method	Store-and-Forward
Ports	16x RJ45 10/100 Mbps (auto-negotiation, Auto MDI/MDIX), all with PoE option 2x RJ45 1000 Mbps 2x SFP 1000 Mbps
Cabling requirements	10Base-T: UTP cat. 3, 4 or 5 (up to 100 m) STP EIA/TIA-568 100 Ω (up to 100 m) 100Base-Tx: UTP cat. 5 or 5e (up to 100 m) STP EIA/TIA-568 100 Ω (up to 100 m)
LED indicators	Power, Link/Act, 100M, PoE Status
Certificate	CE
Dimensions [mm]	441x330x45
Environment	Operating temperature range: 0°C...40°C Storage temperature range: -40°C...70°C Relative humidity range: 10%...90%, without condensation
Power	230 VAC
Other features	Support for (PD) PoE devices compliant with IEEE802.3af standard Support for auto-learning and auto-aging of MAC addresses Support for bandwidth control in full duplex (IEEE802.3x) and a back-pressure function in half-duplex mode