PoE Switch: ULTIPOWER 00108afat (110W, 10xRJ45 incl. 8xPoE 802.3af/at)

Code: N29985
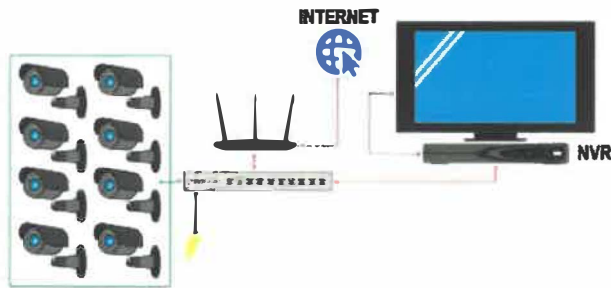

Front view

Rear view

View of the included accessories

The ULTIPOWER 00108afat PoE switch is a desktop device enabling smooth data transmission in 10/100 Mbps Ethernet networks. Its ten RJ45 ports support auto-negotiation function, eight of them provide power over Ethernet (PoE function). The switch automatically detects PD devices compliant with IEEE 802.3af or IEEE 802.3at standard and provides 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 deploy access points, IP cameras, IP phones, etc. The total power consumption of the connected PoE devices cannot exceed 110 W.

Key features

- Total of ten10/100 Mbps ports
- Eight PoE ports (each of them ensuring communication and power supply for a network device via a single UTP cable)
- No need for installation or configuration
- Max capacity of each PoE port: 30 W
- Max total load: 110 W
- Support for PoE devices compliant with IEEE802.3af/at standard
- Support for auto-learning and auto-aging of MAC addresses (1 K table)
- LED indicators providing information on status/speed/activity/PoE
- Extended mode allowing for connecting PoE devices over distances up to 250 m

Application diagram

| DATA + PoE 802.3af | DATA |
| (MAX. 8 x PoE) | HDMI | POWER |

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 00108afat
Code	**N29985**
Standards and protocols	IEEE802.3, 802.3u, 802.3ab, 802.3x CSMA/CD, TCP/IP
Forwarding rate	10BASE-T: 14880 pps/port 100BASE-TX: 148800 pps/port
Transmission method	Store-and-Forward
Ports	10x RJ45 10/100 Mbps (including 8x PoE); auto-negotiation, auto MDI/MDIX
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) Extended mode: UTP cat. 5e (up to 250 m)
LED indicators	Power, Link/Act, 100M, PoE Status, Extended
Certification	CE
Dimensions [mm]	190x107x30
Environment	Operating temperature range: 0°C...40°C Storage temperature range: -40°C...70°C Operating humidity range: 10%...90% (no condensation) Storage humidity range: 5%...90% (no condensation)
Power	230 VAC / 52 V, 2.5 A
Other features	Support for PoE (PD) devices compliant with IEEE 802.3af and 802.3at standards 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 Extended mode