

# Industrial network components

**NRP-172PRI**

**High-Power PoE Extender**

- ✓ Gigabit Ethernet
- ✓ Waterproof RJ45 connectors
- ✓ Built-in Voltage Booster
- ✓ 60W\_30W 54 or 24VDC PoE



PoE Extender NRP-172PRI is devised to extend connection distances from PSE to PD another 100 m via Cat5e or Cat6 cable. The transmission is carried out at a distance of 200 to 500 meters or more by cascading these extenders to a daisy chain. The built-in booster compensates for the voltage drop (48VDC) on the twisted pair in case of cascading. Similar repeaters of other manufacturers do not have this characteristic, so the use of more than two such repeaters in the chain is impossible.

Device doesn't need any additional power supply, because it uses a transit PoE from the input cable, while its power consumption does not exceed 3 watts. NRP-172PRI works with any PSE or PD devices.

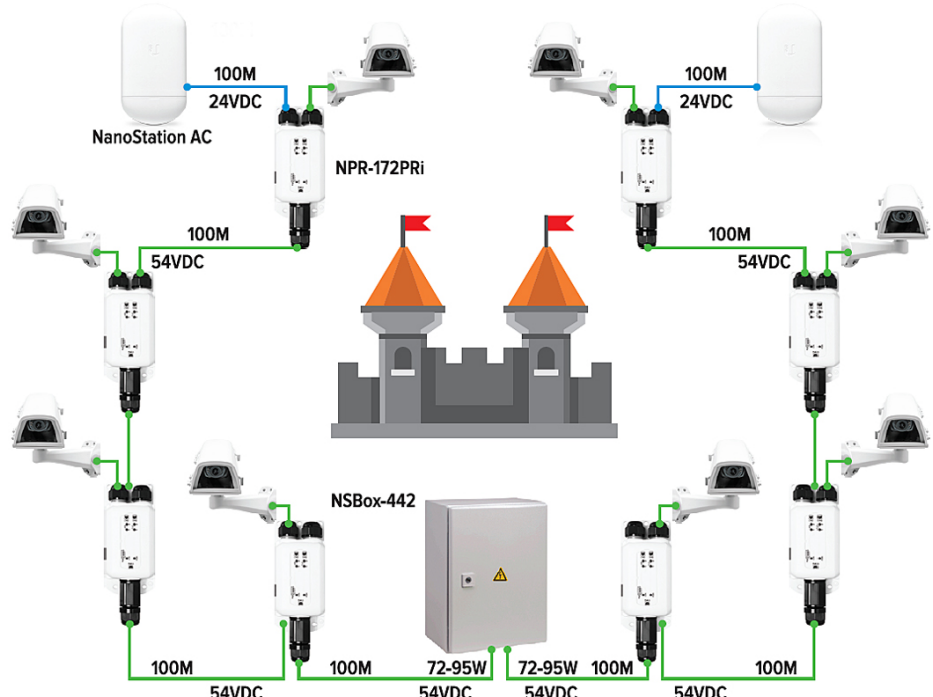
The advantages of NRP-172PRI over other existing analogues:

- Support for Gigabit Ethernet 10/100/1000-BaseT;
- Voltage drop compensation on twisted pair (built-in Voltage Booster);
- The industrial grade device with wide operating temperature range;
- The rugged weatherproof housing with waterproof RJ45 connectors.

The devices are easy to install and operate in Plug & Play mode. The input port is connected to the PSE (PoE Injector or PoE Switch) and the output ports to the equipment PD (IP Cameras, IP Access Controls, and Wireless Access Points) or to the next extender during cascading multiple PoE extenders.

## Technical Data

3 ports Ethernet 10/100/1000Base-T with supporting High-Power PoE 72W/60W
Switch Fabric 6Gbps, Jumbo Frame 10Kb, 4K MAC, 1Mb buffer
Complies with IEEE 802.3at/bt, PoE PSE/ PoE PD/ PoE auto detection
Extends an existing PoE connection beyond the 100m (328-ft.) limit
It is possible to cascade 4 devices into a chain up to 500 m
Compensation of voltage drop in the chain (built-in Booster)
1 port PD IN up to 72W + 2 ports PSE OUT 60W/30W (54VDC or 24VDC)
Power Consumption: 3W, Does not require an additional power supply
POE Pin Assignment: 1/2(+), 3/6(-) and 4/5(+), 7/8(-)
Housing IP67/IK10, Wall mounting, Waterproof RJ45 connectors
Operating Temperature: -40 ~ 65°C; Dimensions: 167x73x40mm



## Ordering Information

NRP-172PRI

Extender: 3 Ethernet 10/100/1000T High-Power PoE 72W/60W/30W, Booster, 1PD/2PSE