

Jl-114Z Ethernet switch PoE – 4 ports

The Jl-114Z Ethernet switch serves as an easy and fast expansion of a local LAN network. It is equipped with four powerful PoE ports for data connection and powering JABLOTRON IP cameras with one cable. The switch supports networks with both 10 Mbps and 100 Mbps transmission speed. The switch should be installed by a trained technician with a valid certificate issued by an authorized distributor.

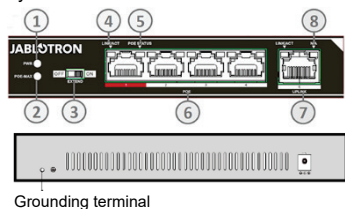


Fig. 1: Description of the external parts of the product

- 1 – power supply indicator
- 2 – PoE power supply overload indicator
- 3 – EXTEND switch to boost the PoE power supply to increase the maximum LAN cable length
- 4 – LAN device activity indicator
- 5 – PoE power supply use indicator
- 6 – RJ-45 connector for router connection
- 7 – RJ-45 connector for router connection
- 8 – LED no function

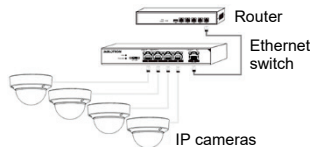


Fig. 2: Ethernet switch connection diagram

Installation

The switch can be installed in two ways:

1. Fixed mounting onto a wall or other flat surface. This installation uses screws and perhaps wall plugs from the package.
2. Placing onto a flat surface. The device can be used without a fixed mounting, when the self-adhesive rubber pads are used.

Fixed mounting procedure: For fixed installation choose a steady flat surface with enough space around the switch for easy access to connectors. Select either self-cutting screws or screws for a wall plug, depending on the type of surface. Mark points for the fixing screws, 93 mm apart. When using the wall plugs pre-drill two holes with a diameter of 6 mm. When using the self-cutting screws, you can pre-drill holes with a diameter of 2 mm, depending on the type of surface. Screw in the screws, but do not tighten them to the end, keep a gap of at least 2.5 mm between the screw head and the surface / wall plug. Place the switch onto the mounting screws and slide it down to lock it in place.

Installation without fixed mounting: The device can be used without fixed mounting. In such a case it is recommended to use the self-adhesive rubber foot pads from the package. Remove the protective foil from the rubber foot pads (4 pcs) and stick them to the marked points on the bottom of the switch.

Installation with grounding: The device is equipped with a grounding terminal marked with a ground symbol. If there is a grounding bar available at the installation place (e.g. rack case) it is recommended to connect the switch to the ground by a grounding cable.

Enrolment to the system

Depending on the type of control panel, use the recommended software or application, see the control panel manual.

Technical parametres

Power (power adapter from 230 V AC).....	48 V DC	- Fast Ethernet .. 100 Mbps (Half Duplex) / 200 Mbps (Full Duplex)	
Maximum current consumption.....	1,25 A	Transmission medium	
Communication interface.....	5 x RJ-45 10/100 Mbps Ethernet	- Ethernet.....	cat. 3 or better UTP/STP
PoE ports.....	4	- Fast Ethernet.....	cat. 5 or better, UTP/STP
High priority ports.....	Port 1	Switching capacity.....	1 Gbps
Maximum load per port.....	30 W	Average operational humidity.....	75 % RH, non-condensing
Total maximum load.....	58 W	Operational temperature range.....	0 °C to +40 °C
PoE standard.....	IEEE 802.3af, IEEE 802.3at	Storage temperature range.....	-40 °C to +70 °C
Maximum cable length – CAT-5e category cable with PoE		Ingress protection.....	IP20
- EXTEND mode OFF (10/100 Mbps).....	150 m	Dimensions, weight.....	132 x 28 x 94 mm, 300 g
- EXTEND mode ON (10 Mbps).....	250 m	Complies with.....	EN 55032, EN 50130-4, EN IEC 63000,
Transmission speed			EN IEC 62368-1, EN 55035, EN IEC 61000-3-2, -3-3
- Ethernet.....	10 Mbps (Half Duplex) / 20 Mbps (Full Duplex)		



HANGZHOU HIKVISION TECHNOLOGY CO.,LTD hereby declares that the Jl-114Z is designed and manufactured in compliance with the relevant European Union harmonisation legislation: Directives No: 2014/30/EU, 2011/65/EU, when used as intended. The original of the conformity assessment can be found at www.jablotron.com – Downloads section.

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For an electronic version of this document (available in other languages) or an installation version in JA-100+, scan the attached QR code (<https://manuals.jablotron.com/ji-114z>).



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