Title

Switch Settings

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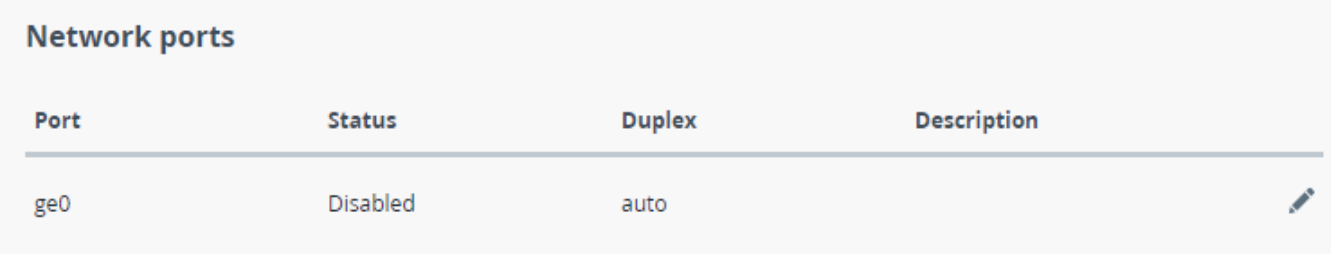
Network ports

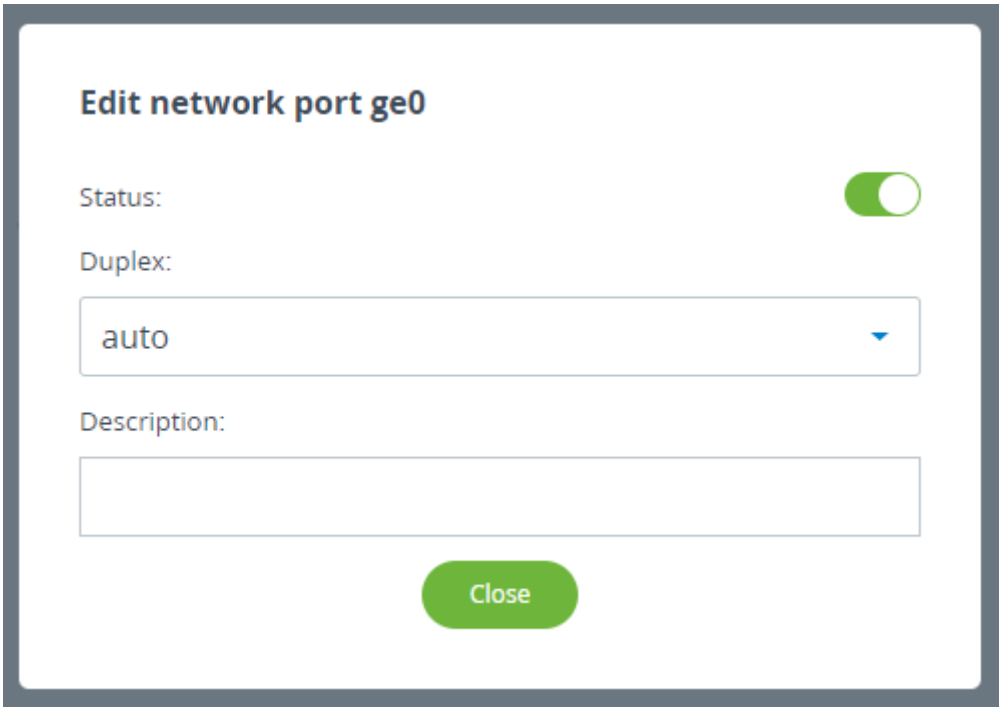
Each device has 3 interface:

- ge0 - combo port, depends on physical connection type can be Gigabit Ethernet 1000BASE-T or SFP Port 1000BASE-X (to specify the connection type see "Wired interface" section on the Dashboard);
- radio - internal radio interface;
- mgmt - internal interface for device management.



Only ge0 interface is available to configure. The following parameters can be changed:

- **Status:** enabled/disabled.
- **Duplex:** duplex mode, "auto" is by default.
- **Description:** arbitrary text description.



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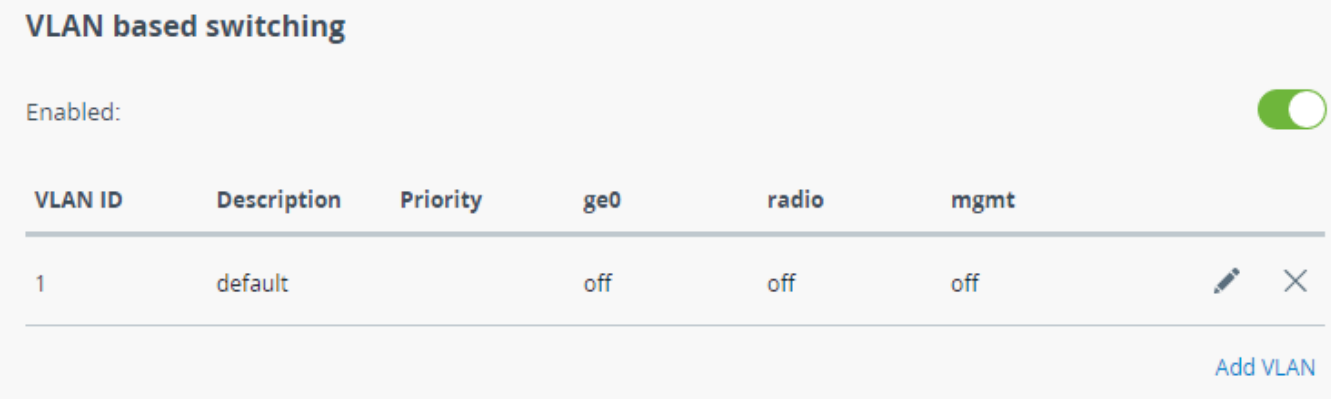
QoS

Enable/disable prioritization strategy. Unit will recognize the 802.1p tags in Ethernet frame headers. Based on these tags priorities will be autlomatically assigned to the frames when they are sent over the radio interface. After transmission over radio interface frames with tags are sent to Ethernet. Priorities may be adjusted manually if a VLAN based switching is enabled.

VLAN based switching

VLAN based switching allows to create list of allowed VLANs and their handling on the unit switch plane. If VLAN based switching is enabled but no VLANs are added, device ports will allow untagged traffic only. Each entry of list establishes the relationship between VLAN ID and ports VLAN modes. "VLAN 1" is created by default and could not be deleted, it's enough to set all interfaces to "off" mode to disable it or change VLAN ID.



VLAN ID	VLAN tag in range from 1 to 4095. May be set in a few ways, examples: • 12 • 10-20 • 100,200,300 • 23,24,25,50-100
Description	Arbitrary text description.
Priority	Allows to set the priority of a specific VLAN according to 802.1p ranging from 0 to 7, where 0 - the lowest priority level, 7 - the highest, the QoS support function must be enabled.
Port mode	VLAN mode should be set for each of network ports. Mode determines the way which VLAN tagged network packets will be handled by switch. There are three ports modes: • Off - denies all traffic of a specified VLAN. If none of the modes is selected, the port will be marked as "Off". • Access - operates as access port, allows only untagged traffic. • Tagged - operates as trunk port, allows tagged traffic of a specific VLAN to pass through this port • Untagged - operates as trunk port, allows untagged traffic of a specific VLAN to pass through this port.

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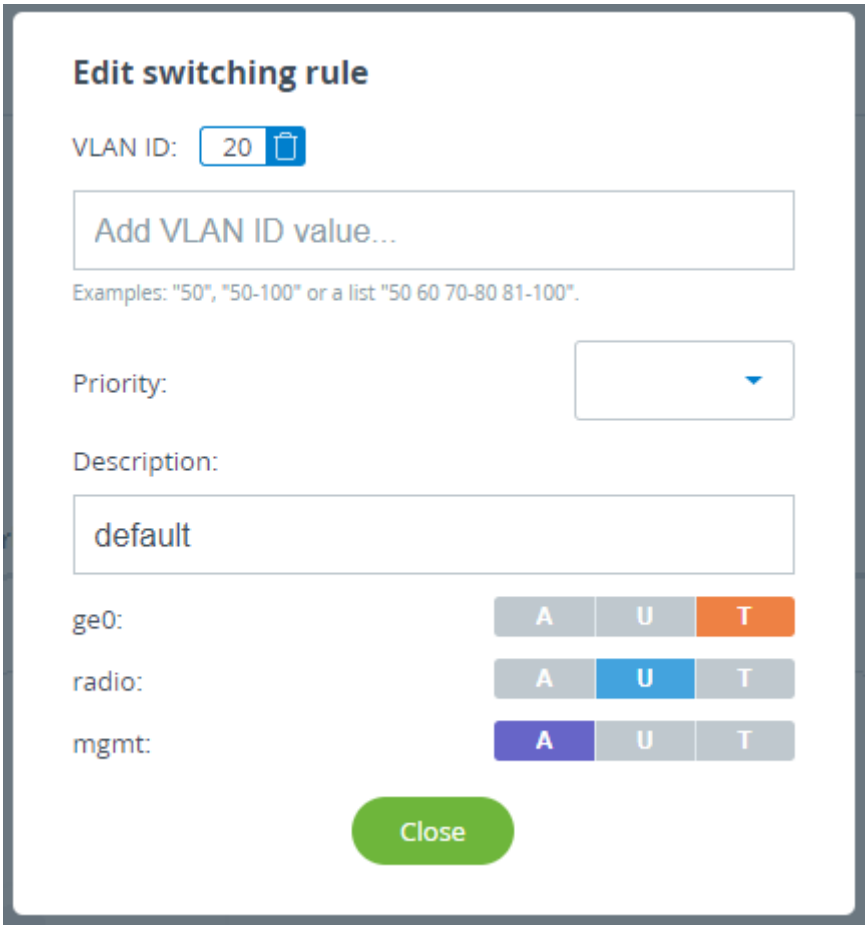

Connectivity matrix

Allows to configure the traffic transfer between the network ports of the device. Configuration is performed visually using switches. The green switch indicates allowed connections, the red one - denied.

Traffic flow between ports is performed in accordance with VLAN modes set, if the VLAN based switching is enabled.