Switch Settings



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Network ports

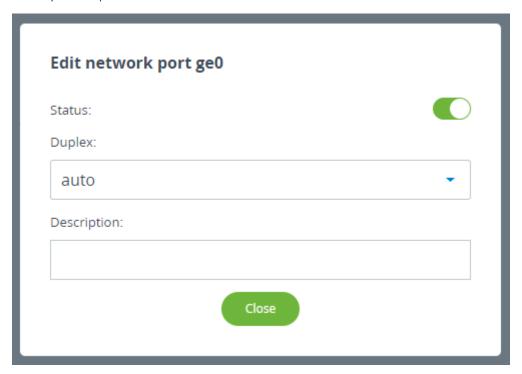
Each family device has 3 ports:

- 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.



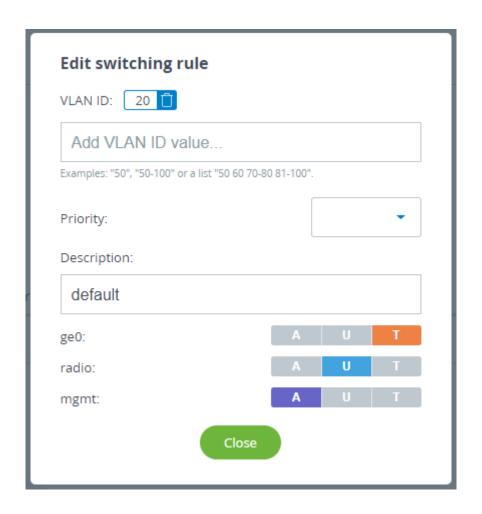
QoS

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.

Enabled:							
VLAN	ID Description	Priority	ge0	radio	mgmt		
1	default		off	off	off	1	×
						Add	VLAN
Descripti on	 VLAN tag in range from 1 to 409 12 10-20 100,200,300 23,24,25,50-100 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 ea There are three ports modes: Off - denies all traffic of a s Access - operates as access Tagged - operates as trunk Untagged - operates as tru	pecified VLAN. If not port, allows only ur port, allows tagged	ne of the modes is stagged traffic. traffic of a specific	selected, the port will b	e marked as "Off".	oe handled by switch	1.



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.

