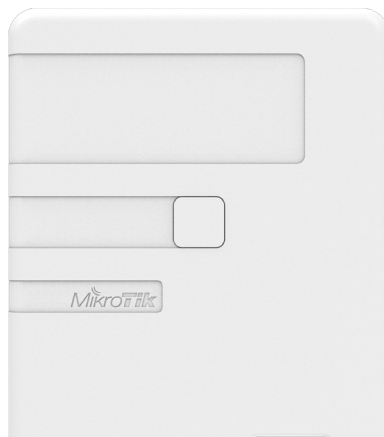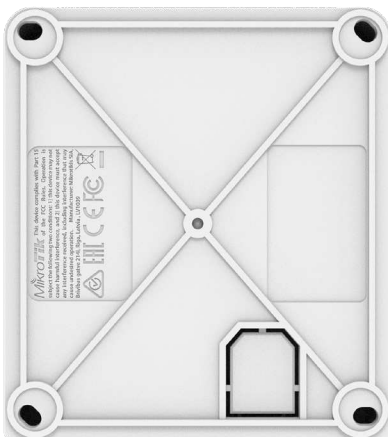# GPEN 21

Smart power injector that serves as an advanced
software controlled repeater

The GPEN21 is a smart power injector that serves as an advanced software controlled repeater. Not only can it power your uplink devices via PoE, it can also provide a range of useful software features:

- Interface management and monitoring
- GPEN link fault detection
- VLAN support
- SNMP reporting
- Basic traffic shaping

GPEN21 has an Ethernet and SFP port for fiber connectivity. Customers can choose to use GPEN21 to power optical module for uplink to provider, or to provide PoE to power Ethernet uplink to provider (that uses our GPeR and/or netPower products) The GPEN unit can be securely attached to a wall or the communications cabinet. The Ethernet cable can be routed either directly through its bottom cable opening or into the wall, as preferred.
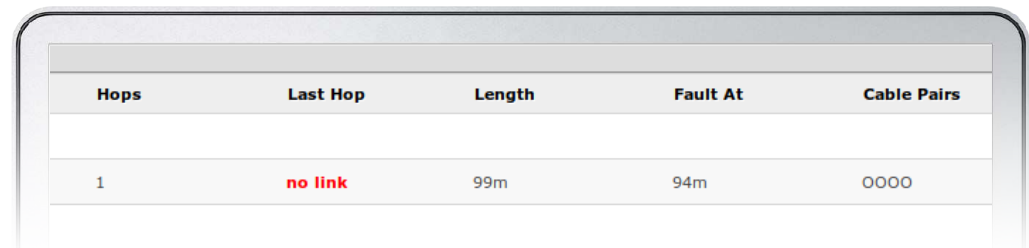
It also has a designated space for an ISP sticker on the front. Sticker size: 66 x 25 mm (2,5 x 1 Inches).
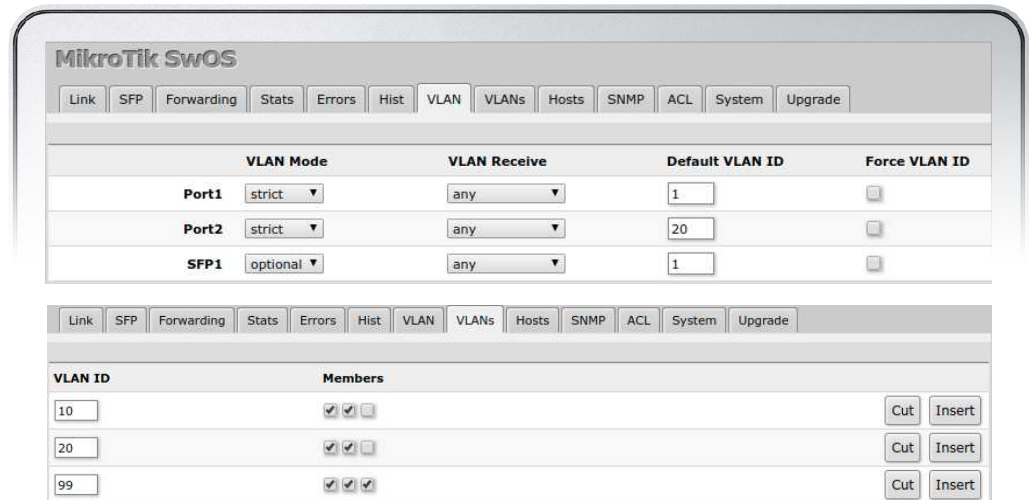
GPEN21 software provides
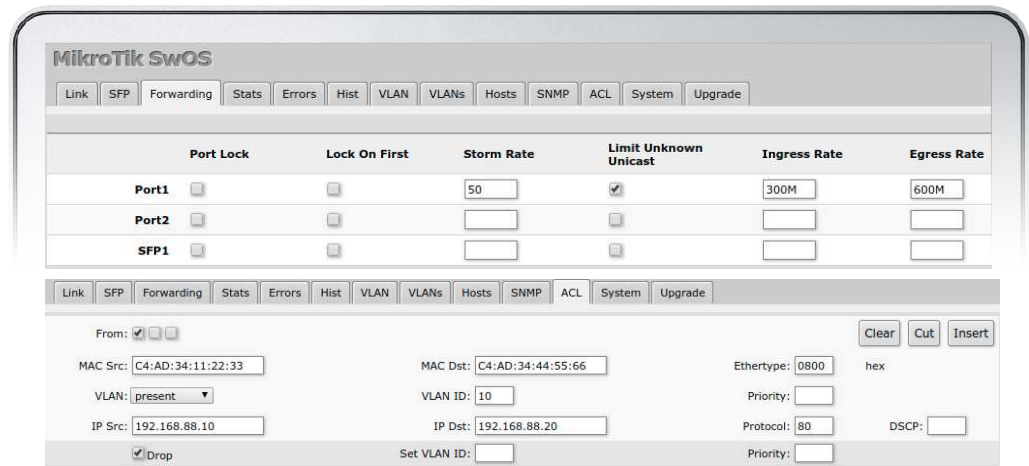
Interface management and monitoring

MikroTik SwOS

| Link | SFP | Forwarding | Stats | Errors | Hist | VLAN | VLANs | Hosts | SNMP | ACL | System | Upgrade |

	Enabled	Name	Link Status	Auto Negotiation	Speed	Full Duplex	Flow C
Port1	☑	Port1	link on	☑	1G	yes	☑
Port2	☑	Port2	link on	☑	1G	yes	☑
SFP1	☑	SFP1	no link	☑		no	☑

GPEN link fault detection

Hops	Last Hop	Length	Fault At	Cable Pairs
1	no link	99m	94m	0000

VLAN support

MikroTik SwOS

| Link | SFP | Forwarding | Stats | Errors | Hist | VLAN | VLANs | Hosts | SNMP | ACL | System | Upgrade |

	VLAN Mode	VLAN Receive	Default VLAN ID	Force VLAN ID
Port1	strict ▼	any ▼	1	☐
Port2	strict ▼	any ▼	20	☐
SFP1	optional ▼	any ▼	1	☐

| Link | SFP | Forwarding | Stats | Errors | Hist | VLAN | VLANs | Hosts | SNMP | ACL | System | Upgrade |

VLAN ID	Members		
10	☑ ☑ ☐	Cut	Insert
20	☑ ☑ ☐	Cut	Insert
99	☑ ☑ ☑	Cut	Insert

Basic traffic shaping

MikroTik SwOS

| Link | SFP | Forwarding | Stats | Errors | Hist | VLAN | VLANs | Hosts | SNMP | ACL | System | Upgrade |

	Port Lock	Lock On First	Storm Rate	Limit Unknown Unicast	Ingress Rate	Egress Rate
Port1	☐	☐	50	☑	300M	600M
Port2	☐	☐		☐		
SFP1	☐	☐		☐		

| Link | SFP | Forwarding | Stats | Errors | Hist | VLAN | VLANs | Hosts | SNMP | ACL | System | Upgrade |

			Clear	Cut	Insert

From: ☑ ☐ ☐

MAC Src: C4:AD:34:11:22:33   MAC Dst: C4:AD:34:44:55:66   Ethertype: 0800 hex

VLAN: present ▼   VLAN ID: 10   Priority: ____

IP Src: 192.168.88.10   IP Dst: 192.168.88.20   Protocol: 80   DSCP: ____

☑ Drop   Set VLAN ID: ____   Priority: ____

Specifications

Product code	GPEN21
Number of 1G Ethernet ports	2
Number of 1G SFP ports	1
Number of DC inputs	2 (DC jack, PoE-in)
PoE-out	Yes, Passive PoE up to 57 V
PoE-in	802.3af/at
Supported input voltage	12 - 57 V
Dimensions	92 x 104 x 24 mm
Operating temperature	-20°C to +70°C tested

Included parts

Screw kit