

MikroTik



GPEN 21

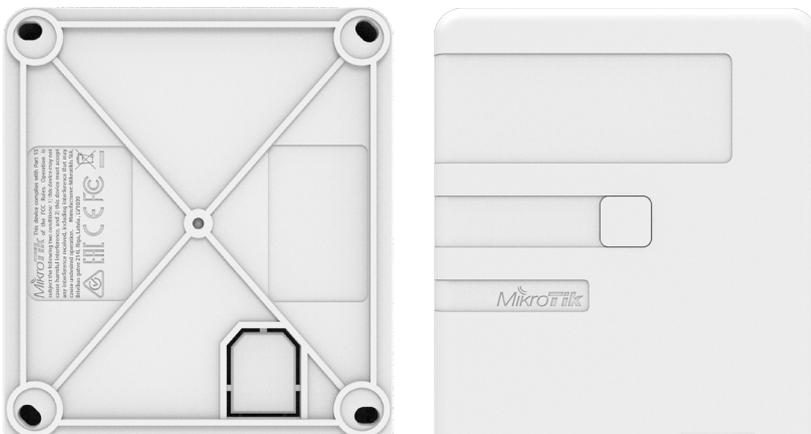
Smart power injector that serves as an advanced software controlled repeater

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 an SFP port for fiber connectivity. These ports can be used for simultaneous external connections, but not for cross-port communication. The GPEN21 device can provide PoE to the provider (which 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

Enabled	Name	Link Status	Auto Negotiation	Speed	Full Duplex	Flow C
<input checked="" type="checkbox"/>	Port1	link on	<input checked="" type="checkbox"/>	1G	yes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Port2	link on	<input checked="" type="checkbox"/>	1G	yes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	SFP1	no link	<input checked="" type="checkbox"/>		no	<input checked="" type="checkbox"/>

GPEN link fault detection

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

VLAN support

VLAN Mode	VLAN Receive	Default VLAN ID	Force VLAN ID
Port1: strict	any	1	<input type="checkbox"/>
Port2: strict	any	20	<input type="checkbox"/>
SFP1: optional	any	1	<input type="checkbox"/>

VLAN ID	Members	Cut	Insert
10	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="button" value="Cut"/>	<input type="button" value="Insert"/>
20	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="button" value="Cut"/>	<input type="button" value="Insert"/>
99	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="button" value="Cut"/>	<input type="button" value="Insert"/>

Basic traffic shaping

Port Lock	Lock On First	Storm Rate	Limit Unknown Unicast	Ingress Rate	Egress Rate
Port1: <input type="checkbox"/>	<input type="checkbox"/>	50	<input checked="" type="checkbox"/>	300M	600M
Port2: <input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
SFP1: <input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		

From: <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="button" value="Clear"/>	<input type="button" value="Cut"/>	<input type="button" value="Insert"/>
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: <input type="text"/>	
IP Src: 192.168.88.10	IP Dst: 192.168.88.20	Protocol: 80	DSCP: <input type="text"/>
<input checked="" type="checkbox"/> Drop	Set VLAN ID: <input type="text"/>	Priority: <input type="text"/>	

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