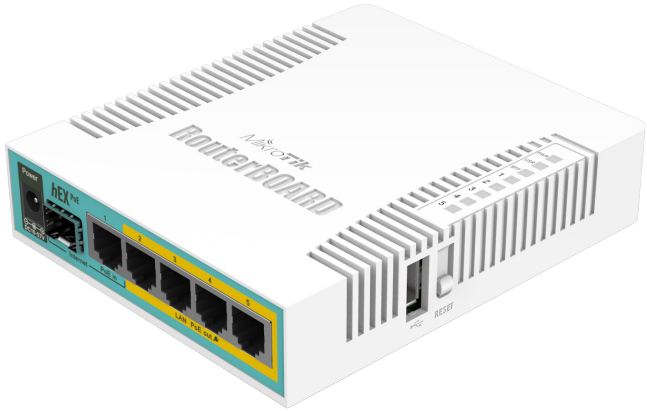
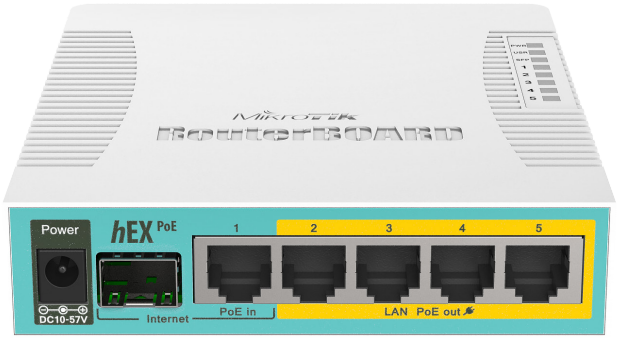
hEX PoE

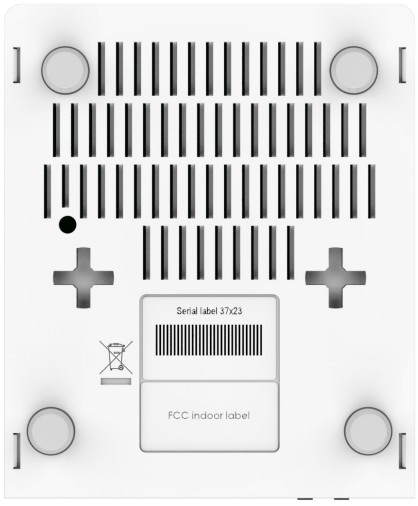
hEX PoE is a five port gigabit ethernet router for locations where wireless connectivity is not required. The device has a USB 2.0 port and a SFP port for adding optical fiber connectivity. The ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit.





It is affordable, small and easy to use, but at the same time comes with a very powerful 800MHz CPU, capable of all the advanced configurations that RouterOS supports.

Less power adapters and cables to worry about! Max current is 1A per port if input voltage is 12-30V, 450mA if 31-57V, Ethernet ports are shielded.



RB960PGS can power 802.3af/at devices if 48V DC input is used (unit comes with 24v power supply, so you would have to purchase 48v power supply separately to support this). Unit provides max current 450mA for each port regardless device power class (doesn't support PoE powered device classification).

Specifications

Product code	RB960PGS
CPU	QCA9557
CPU nominal frequency	800 MHz
CPU core count	1
Size of RAM	128 MB
10/100/1000 Ethernet ports	5
PoE in	Yes, passive
Supported input voltage	12 - 57 V
Power output	On ports 2-5, Output: 1A max per port; 2A max total (12-30v), 450mA max per port; 1,8A max total (31-57v)
PCB temperature monitor	Yes
Voltage monitor	Yes
USB slot	Yes
Dimensions	114 x 137 x 29 mm
License level	4
Operating System	RouterOS
Max Power consumption	54 W
Max power consumption without attachments	3 W

Performance test results

QCA9557(800Mhz)		**Max possible throughput RouterOS v6.38rc9**					
Mode	**Configuration**	**1518 byte**		**512 byte**		**64 byte**	
		kpps	**Mbps**	**kpps**	**Mbps**	**kpps**	**Mbps**
Bridging	none (fast path)	161.9	1,966.1	401.5	1,644.5	542.3	277.7
Bridging	25 bridge filter rules	143.2	1,739.0	145.5	596.0	146.2	74.9
Routing	none (fast path)	161.9	1,966.1	396.3	1,623.2	521.7	267.1
Routing	25 simple queues	161.9	1,966.1	217.2	889.7	216.0	110.6
Routing	25 ip filter rules	74.6	905.9	78.0	319.5	76.5	39.2

1. All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes
3. Values in Italic indicate that max throughput was reached without maxing out CPU, but because board interface configuration was maxed out
4. Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results

24V 2.5A Power adapter

Included