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PoE-IN compatibility

This document clarifies PoE-IN compatibility of MikroTik RouterBOARD hardware.

All tests are made with unshielded cable.

List of tested PoE out equipment

#	Product	Model	PoE standard	Pins
1	Linksys 24-port Gigabit switch	LGS124P	54V 802.3af/at	(1,2-)(3,6+)
2	Edimax 8-port 100Mbit switch	ES-1008P	48V 802.3af/at	(1,2+)(3,6-)
3	HP 8-port Gigabit switch	1910-8G-Poe+ (JG350A)	54V 802.3af/at	(1,2-)(3,6+)
4	Trendnet 16-port 100Mbit switch	TPE-T160H	48V 802.3af/at	(1,2-)(3,6+)
5	TP-Link 24-port Gigabit switch	TL-SG3424P	54V 802.3af/at	(1,2-)(3,6+)
6	Netgear 8-port Gigabit switch	GS510TP	54V 802.3af/at	(1,2-)(3,6+)
7	Phihong Midspan 2 100Mbit ports	POE31U-560	56V 802.3at/af	(4,5+)(7,8-)
8	Phihong Midspan 2 Gigabit ports	POE20U-560(G)	56V 802.3af	(1,2-)(3,6+)
9	Phihong Midspan 2 100Mbit ports	PSA16U-480(POE)	48V 802.3af	(4,5+)(7,8-)
10	D-link 24-port 100Mbit switch	DES-3200-28P	54V 802.3af/at	(1,2-)(3,6+)
11	Planet 8-port Gigabit switch	GSD-908HP	51V 802.3af/at	(1,2+)(3,6-)
12	Engenius 8-port Gigabit switch	EGS5110P	54V 802.3af/at	(1,2-)(3,6+)
13	Camswitch 4 plus	VCS-4P1	57V 802.3af/at	(1,2-)(3,6+)
14	DELL	3448P	48V 802.3af	(4,5+)(7,8-)
15	EdgeSwich24	ES-24-500w	24/48V 802.af/at	(1,2+)(3,6-)
16	Juniper	EX4300, EX3200, EX2200		

List of tested devices

RouterBOARD	Power over data lines (1,2+)(3,6-)	Power over data lines (1,2-)(3,6+)	12V battery supply support	Negative voltage -48V support	Shielded cable	Compatibility with PoE switch															
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
RB800	+	+	DC	+	+	+	+	+	+	-	-	+	+	+	+	+	-	+	+	+	N/A
CRS109-8G-1S-2HnD	+	C	+	-	+	C	+	C	C	C	C	+	C	+	-	+	C	C	+	+	N/A
CRS210-8G-2S+	+	C	+	-	+	C	+	C	C	C	C	+	C	+	C	+	C	C	+	+	N/A
POE-CON-HP	+	+	-	+	+	+	+	+	+	+	+	+	N/A	+	+	N/A	+	+	+	+	N/A
GPOE-CON-HP	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A
wAP	+	+	-	-	+	N/A	+	+	+	+	+	+	N/A	+	+	N/A	+	+	+	+	N/A
DynaDish 5	+	C	-	-	+	C	+	C	C	C	C	+	C	+	C	+	C	C	+	+	N/A
mAP lite	C	+	+	-	+	+	C	+	+	+	+	+	+	+	+	C	+	+	+	C	N/A
wAP ac	+	+	-	-	+	N/A	+	+	+	+	+	+	N/A	+	+	N/A	+	+	+	+	+
mAP2nD	+	+	+	-	+	+	+	+	+	+	+	+	+	N/A	+	+	+	+	+	+	N/A
cAP2nD	+	+	+	-	+	+	+	+	+	+	+	+	+	N/A	+	+	+	+	+	+	N/A

 **Note:** This list will be periodically updated with latest test results.

 **Note:** * - If other vendor PoE-OUT product is used to power up this device, then unshielded cable might be required.

Legend:

C	Works only with crossover cable
DC	DC jack only
+	Supported
-	Not supported
N/A	Information not available