

# OmniTik

OmniTIK is a weatherproof outdoor AP with dual-polarized omni antennas - the perfect companion for our SXT, or for any other 5GHz 802.11a/n standard device. Weatherproof, durable and ready to use. It has five 10/100 Ethernet ports, PoE support and a built-in 1000mW 802.11a/n wireless radio. It supports Nv2 TDMA technology with up to 200Mbit aggregate throughput.

LED signal indicators on it's back are fully customizable, show Ethernet activity or wireless signal - or any other information from RouterOS. The USB port gives the ability to connect a 3G modem or a storage drive.

The OmniTIK UPA also features power output on it's ethernet ports. Ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters to worry about.



24V 0.38A Adapter



24V 2.5A Adapter



Mounting bracket



Metal ring



PoE injector

Model	OmniTIK U-5HnD		OmniTIK UPA-5HnD
CPU	Atheros AR9344 600MHz network processor		
Memory	64MB DDR2 onboard memory		128MB DDR2 onboard memory
Ethernet	Five 10/100 Mbit/s Fast Ethernet port with Auto-MDI/X, L2MTU up to 2030		
Wireless	Wireless Built-in 5GHz 802.11a/n 2x2 MIMO		
Antenna	Two 7.5dBi (+/-1dBi) omni with different polarities (ch0 horizontal, ch1 vertical)		
Extras	Reset switch, Beeper, USB 2.0 port, Voltage monitor, Temperature monitor		
LEDs	5 programmable LEDs (Ethernetactivity by default), one power LED		
Power input	Passive 11-30V PoE in only. 16KV ESD protection on RF port		
Dimensions	177x44x44mm		
Operating temp.	-40°C .. +70°C tested		
Operating system	MikroTik RouterOS, Level 4 license		MikroTik RouterOS, Level 5 license
Package contains	OmniTIK unit, mounting bracket, hose clamp, PoE injector, 24V 0.8A PSU (U-5HnD), 24V 2.5A PSU (UPA-5HnD),		
OmniTIK UPA-5HnD			
Power Output	Supports PoE output on ports 2-5. Max current 1A per port, 2A total		

RX sensitivity	<b>802.11a:</b> -96 dBm @ 6Mbps to -78 dBm @ 54 Mbps <b>802.11n:</b> -96 dBm @ MCS0 to -75 dBm @ MCS7
TX power	<b>802.11a:</b> 30dBm @ 6Mbps to 27dBm @ 54 Mbps <b>802.11n:</b> 30dBm @ MCS0 to 26dBm @ MCS7
Modulations	OFDM: BPSK, QPSK, 16 QAM, 64QAM DSSS: DBPSK, DQPSK, CCK