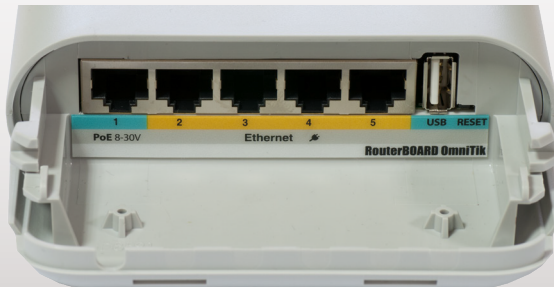# OmniTIK UPA-5HnD

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 400mW 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 customisable, 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.

CPU	Atheros AR7241 400MHz network processor
Memory	32MB DDR SDRAM onboard memory
Boot loader	RouterBOOT
Data storage	64MB onboard NAND memory chip
Ethernet	Five 10/100 Mbit/s Fast Ethernet port with Auto-MDI/X, L2MTU frame size 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 options	Passive 9-30V PoE only. 16KV ESD protection on RF port
Power output	Supports PoE output on ports 2-5. Max current 500mA per port
Dimensions	368x125x55mm, 520g
Operating temp.	-30C to +70C
Operating system	MikroTik RouterOS v5, Level5 license
Package contains	OmniTIK unit, mounting bracket, hose clamp, PoE injector, 24V 2.5A power adapter

RX sensitivity	**802.11a**: –96 dBm @ 6Mbps to -80 dBm @ 54 Mbps **802.11n**: –96 dBm @ MCS0 to –77 dBm @ MCS7
TX power	**802.11a**: 26dBm @ 6Mbps to 22dBm @ 54 Mbps **802.11n**: 25dBm @ MCS0 to 19dBm @ MCS7
Modulations	OFDM: BPSK, QPSK, 16 QAM, 64QAM DSSS: DBPSK, DQPSK, CCK