

Code: NS-5ACL

## ACCESS POINT **NS-5ACL** UBIQUITI



The UBIQUITI NanoStation NS-5ACL is a device working in airMAX ac (MIMO TDMA) standard.

The radio and antenna with 13dBi gain are combined into a single compact body. The device is high efficient Customer Premises Equipment (CPE).

The airMAX ac products supports up to 450 Mbps real TCP/IP throughput - up to triple the throughput of standard airMAX products.

Frequency range:	5150 MHz ... 5875 MHz
Antenna type:	MIMO TDMA 13 dBi Integrated
Polarization:	vertical/horizontal
Standards:	<ul style="list-style-type: none"> <li>• IEEE 802.11a</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11ac</li> </ul>
VSWR:	max. 1.8 : 1
LAN ports:	1 x 10/100/1000 Mbps
Receiver sensitivity:	<ul style="list-style-type: none"> <li>• -96 dBm ± 2 dB @ 1 x BPSK (1/2)</li> <li>• -95 dBm ± 2 dB @ 2 x QPSK (1/2)</li> <li>• -92 dBm ± 2 dB @ 2 x QPSK (3/4)</li> <li>• -90 dBm ± 2 dB @ 4 x 16-QAM (1/2)</li> <li>• -86 dBm ± 2 dB @ 4 x 16-QAM (3/4)</li> <li>• -83 dBm ± 2 dB @ 6 x 64-QAM (2/3)</li> <li>• -77 dBm ± 2 dB @ 6 x 64-QAM (3/4)</li> <li>• -74 dBm ± 2 dB @ 6 x 64-QAM (5/6)</li> <li>• -69 dBm ± 2 dB @ 8 x 256-QAM (3/4)</li> <li>• -65 dBm ± 2 dB @ 8 x 256-QAM (5/6)</li> </ul>



# DATA SHEET

Operating system:	AirOS
Operation modes:	Access Point - Point to Point, Access Point - Point to Multi Point, Station - Point to Point, Station - Point to Multi Point
Protections:	Overvoltage protection $\pm$ 24 kV Contact/Air (ESD/EMP)
Transmitter power:	<ul style="list-style-type: none"><li>• 25 dBm <math>\pm</math> 2 dB @ 1 x 8PSK (1/2)</li><li>• 25 dBm <math>\pm</math> 2 dB @ 2 x Mbps QPSK (1/2)</li><li>• 25 dBm <math>\pm</math> 2 dB @ 2 x QPSK (3/4)</li><li>• 25 dBm <math>\pm</math> 2 dB @ 4 x 16-QAM (1/2)</li><li>• 25 dBm <math>\pm</math> 2 dB @ 4 x 16-QAM (3/4)</li><li>• 25 dBm <math>\pm</math> 2 dB @ 6 x 64-QAM (2/3)</li><li>• 24 dBm <math>\pm</math> 2 dB @ 6 x 64-QAM (3/4)</li><li>• 23 dBm <math>\pm</math> 2 dB @ 6 x 64-QAM (5/6)</li><li>• 21 dBm <math>\pm</math> 2 dB @ 8 x 256-QAM (3/4)</li><li>• 21 dBm <math>\pm</math> 2 dB @ 8 x 256-QAM (5/6)</li></ul>
Horizontal beam width (H):	45 °
Vertical beam width (V):	45 °
Memory:	64 MB DDR2
Processor:	Atheros MIPS 74KC, 560MHz
Power supply PoE:	✓
Power supply:	24 V / 0.5 A - Gigabit PoE (power adapter not included)
Power consumption:	7 W
Operation temp:	-40 °C ... 70 °C
Permissible relative humidity:	5 % ... 95 %
Main features:	<ul style="list-style-type: none"><li>• Management Radio 2.4GHz - Management and configuration of the device via Wi-Fi</li><li>• Throughput up to 450 Mbps</li><li>• Range up to 10+ km</li><li>• Channel bandwidths 10/20/30/40/50/60/80 MHz</li><li>• Extra radio module for device management</li><li>• The device is designed to work both inside and outside the building</li><li>• Very easy and quick installation without any tools</li><li>• It has a tight and UV-resistant housing</li></ul>
Weight:	0.177 kg
Dimensions:	179 x 78 x 59 mm
Manufacturer / Brand:	UBIQUITI
Guarantee:	2 years