

WipAir **ACE** 

1000 Mbps

Ace-it with the ACE technology

WipAir ACE

1000 Mbps Point-to-Point wireless solution

- ACE capacity – 1000 Mbps net throughput
- ACE technology – 256QAM & 80MHz channel bandwidth
- ACE stability – Unrivalled interference immunity via WipAir's AIS technology and cutting-edge Adaptive Bandwidth & Coding & Modulation



Specifications

Radio

Radio Frequency	5.15-5.85 GHz
Net Throughput	3x3 MIMO - 1000 Mbps, dynamic asymmetric 2x2 MIMO - 700 Mbps, dynamic asymmetric
Channel Size	Automatic or configurable – 20 / 40 / 80 MHz
Waveform	Advanced OFDM 2x2 & 3x3 MIMO Modulations – BPSK, QPSK, 16QAM, 64QAM, 256QAM
Output Power	Configurable up to 26 dBm
Handling Interference	AIS - Automatic Interference Sensibility AB&CM - Adaptive Bandwidth & Coding & Modulation ACS - Automatic Channel Selection FEC - Forward Error Correction, k = 1/2, 2/3, 3/4, 5/6 ARQ - Automatic Retransmit reQuest
Encryption & Security	128-bit AES & MAC level authentication

Networking and Management

Topology	Point-to-Point (PTP)
Access Technology	Time Division Duplex (TDD) – dynamic asymmetric
Data Latency	1ms typical
Jumbo Frames	Supported
Network Mode	Layer 2 Bridge
VLAN	Transparent
Management	ViewAir NMS, WEB, SNMP, Telnet, NBI CORBA, EMS (Link Manager) Built in RF Analyzer and path profiling tools

Physical and Environmental

Physical Interface	2x 10/100/1000 Base-T (ODU)
Connector Type	RJ-45
Dimensions and Weight	19 x 19 x 4 cm, <1Kg (connectorized)
Power	Power over Ethernet (PoE) - 48 VDC
PoE Adapter: <ul style="list-style-type: none">• Input Power• Dimensions	100-240 VAC, 47-63 Hz 10 x 5 x 2.5 cm
Power Consumption	<7Watt
IP Rating	IP67
Operating Temperature	-40°C to 60°C
Operating Humidity	100% non condensing (Rainproof)

About WaveIP

WaveIP is the technology leader of Point-to-Point and Point-to-Multipoint Broadband Wireless solutions in the sub-11 spectrum, founded in January 2000.

WaveIP solutions are perfect for IP & cellular backhubs, video surveillance and security networks, enterprises and municipality networks and business grade broadband access services.

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