

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	4.8-6.1 GHz
Net Throughput	3x3 MIMO - up to 1000 Mbps, dynamic asymmetric 2x2 MIMO - up to 700 Mbps, dynamic asymmetric
Channel Size	Automatic or configurable – 5 / 10 / 20 / 40 / 80 MHz
Waveform	Advanced OFDM 2x2 & 3x3 MIMO Modulations – BPSK, QPSK, 16QAM, 64QAM, 256QAM
Output Power	Configurable up to 30 dBm
Range	More than 120Km
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), Point-to-Multipoint (PTMP) - software configurable
Access Technology	Time Division Duplex (TDD) & Time Division Multiple access (TDMA) dynamic or symmetric
Data Latency	1ms typical per SU
Jumbo Frames	Supported
Network Modes	Layer 2 Bridge, VLAN, QinQ, VLAN / broadcast / IP filters, DHCP server
QoS and SLA	Per SU - MIR/CIR/BE/CBR and 8 priority queues - 802.1p, TOS and DSCP
Management	ViewAir NMS, Cloud 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	2x 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">• AC-DC• DC-DC	Input: 100-240 VAC, 47-63 Hz; Dimensions: 12 x 6 x 3.5 cm Input: 10-60 VDC; Dimensions: 16 x 6 x 3 cm
Power Consumption	<10Watt
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 backhuls, video surveillance and security networks, enterprises and municipality networks and business grade broadband access services.

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