

# BreezeAIR ACE

BreezeAIR ACE offers superior dynamic throughput up to 750Mbps combined with ultra-low latency in 4.8-6.1 GHz band. Designed for unmatched interference rejection, Telrad's unique Automatic Interference Sensibility (AIS) technology guarantees stable performance with constant latency and throughput. Telrad Point-to-Point and Point-to-Multipoint solutions set a benchmark of unrivalled performance and reliability, making it the ultimate choice of future-proof wireless systems.

## Specifications

Radio	
<b>Radio Frequency</b>	4.8-6.1 GHz
<b>Net Throughput</b>	2x2 MIMO - up to 750 Mbps, dynamic asymmetric
<b>Channel Size</b>	Automatic or configurable – 5 / 10 / 20 / 40 / 80 MHz
<b>Waveform</b>	Advanced OFDM 2x2 - Modulations – BPSK, QPSK, 16QAM, 64QAM, 256QAM
<b>Output Power</b>	Configurable up to 30 dBm
<b>Range</b>	More than 130Km
<b>Handling Interference</b>	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
<b>Encryption &amp; Security</b>	128-bit AES & MAC level authentication



Networking and Management	
<b>Topology</b>	Point-to-Point (PTP), Point-to-Point (PTMP) - software configurable
<b>Access Technology</b>	Time Division Duplex (TDD) Time Division Multiple access (TDMA) dynamic or symmetric
<b>Data Latency</b>	1 ms typical per SU
<b>Jumbo Frames</b>	Supported
<b>Network Modes</b>	Layer 2 Bridge, VLAN, QinQ, VLAN / broadcast / IP filters, Layer 3 Routing
<b>VLAN</b>	Transparent, VLAN filter, tagging/stripping, QinQ
<b>QoS</b>	8 priority queues based on 802.1p, TOS and DSCP
<b>Traffic Shaping</b>	Bandwidth control for uplink and downlink independently
<b>Management</b>	ViewAir NMS, Cloud NMS, WEB, SNMP, Telnet, NBI CORBA, EMS (Link Manager), Built in RF Analyzer and path profiling tools
<b>Performance Management</b>	Real time & history - logs and counters of traffic and radio data

Physical and Environmental	
<b>Physical Interface</b>	2x (RJ-45) 10/100/1000 Base-T (ODU)
<b>Dimensions and Weight</b>	19 x 19 x 4 cm, <1Kg (connectorized)
<b>PoE Adapter:</b>	Input: 100-240 VAC, 47-63 Hz; Dimensions: 12 x 6 x 3.5 cm
• AC-DC	Input: 10-60 VDC; Dimensions: 16 x 6 x 3 cm
• DC-DC	
<b>IP Rating</b>	IP67
<b>Humidity</b>	100% non-condensing
<b>Operating Temperature</b>	-40°C to 60°C