

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	
Radio Frequency	4.8-6.1 GHz
Net Throughput	2x2 MIMO - up to 750 Mbps, dynamic asymmetric
Channel Size	Automatic or configurable – 5 / 10 / 20 / 40 / 80 MHz
Waveform	Advanced OFDM 2x2 - Modulations – BPSK, QPSK, 16QAM, 64QAM, 256QAM
Output Power	Configurable up to 30 dBm
Range	More than 130Km
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-Point (PTMP) - software configurable
Access Technology	Time Division Duplex (TDD) Time Division Multiple access (TDMA) dynamic or symmetric
Data Latency	1 ms typical per SU
Jumbo Frames	Supported
Network Modes	Layer 2 Bridge, VLAN, QinQ, VLAN / broadcast / IP filters, Layer 3 Routing
VLAN	Transparent, VLAN filter, tagging/stripping, QinQ
QoS	8 priority queues based on 802.1p, TOS and DSCP
Traffic Shaping	Bandwidth control for uplink and downlink independently
Management	ViewAir NMS, Cloud NMS, WEB, SNMP, Telnet, NBI CORBA, EMS (Link Manager), Built in RF Analyzer and path profiling tools
Performance Management	Real time & history - logs and counters of traffic and radio data

Physical and Environmental	
Physical Interface	2x (RJ-45) 10/100/1000 Base-T (ODU)
Dimensions and Weight	19 x 19 x 4 cm, <1Kg (connectorized)
PoE Adapter: • 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
IP Rating	IP67
Humidity	100% non-condensing
Operating Temperature	-40°C to 60°C