OTAi
always innovative

Gigabit Point to Point **Wireless Solution** for Enterprise and Carriers

- 802.11 AC Technology
  - 5.1-5.9 GHz
- High TX Power (upto 27dBm /stream)
- 3af GIG PoE
- Integrated Gigabit Surge Protector
- Redundant DATA Port - Gigabit (Optional)

OTAi AirMax AC
High Performance Outdoor Radio

802.11 AC

3x Faster

Key Features

- Upto 900/1300Mbps wireless connectivity.
- Upto 400/600Mbps net aggregate TCP/IP Throughput*
- Long Range : 10 Kms*
- Full QoS with Traffic Shaping
- Point to Point & Any Point to Any Point
- GUI, Telnet, SSH
- Advanced Routing / NAT / VLAN Tagging

Edge

Riding AC Waves

A faster and more scalable version of 802.11n and Gigabit Ethernet.

OTAi AirMax-AC offer tremendous capabilities and benefits due to very high data coming capabilities both in air and on interface Gigabit Port. OTAi AirMax-AC offers 3-times faster radio connectivity & TCPIP throughput speed then MIMO devices. Allowing higher throughput for Backhaul Point to point application for / SMB / Governments & Video Streaming Projects.

OTAi AirMax-AC can be used as OMNI BTS or directional BTS in conjunction with MIMO Omni antenna or MIMO sector antenna for Point to Multi-Point applications.

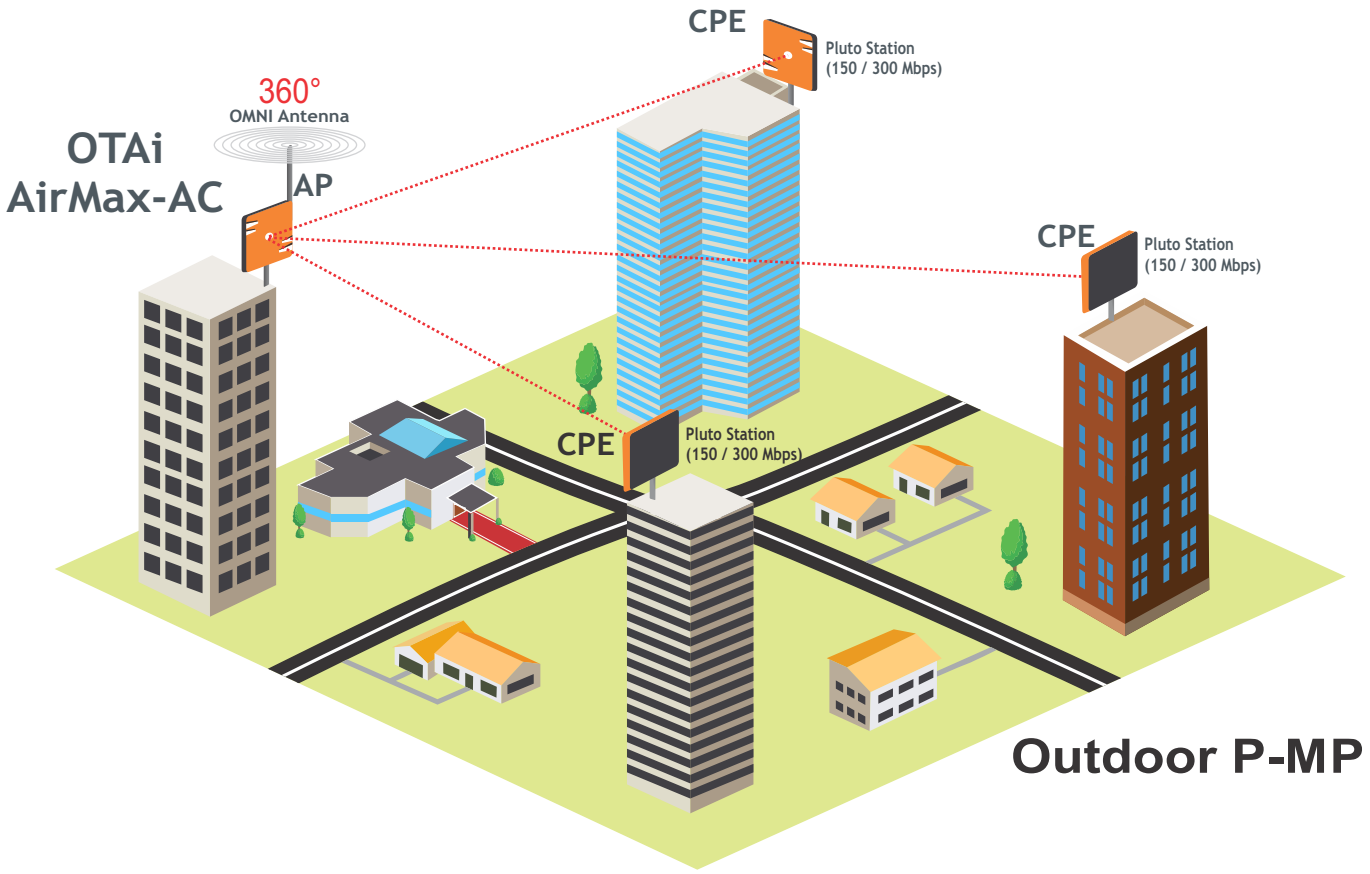
Carrier grade OS with 30% reduced overheads and **rate set MIMO algorithm** ensures high link stability, low latency wireless network and high through put even at long distances.

OTAi AirMax-AC has very effective applications when high density Point to Point & Point to Multi-Point networks are required to be deployed. VLAN Tagging / Jumbo Packetizing and advanced NAT features ensure high bandwidth for traffic including HD-quality video and other real-time applications.

OTAi AirMax-AC is ideal for deployment in metropolitan and industrial area likes (oilfields, mines, shipping ports, WISP, Education Campus etc.

Flexible, high-capacity architecture

OTAi AirMax-AC offers different kind of wireless applications using suitable antenna. Multi-Band RF options give wide choice of selection of operating frequencies from 5.1-5.9GHz. The device can be configured as AP / Client / Client bridge.



OTAi AirMax-AC
High Performance Outdoor Radio

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Edge

OTAi AirMax-AC has Wide Area of Applications for Transporting VOICE, DATA and VIDEO Over Long Distances Point to Point and Point to Multi-Point Applications.

High Throughput

OTAi-Airmax AC delivers 3 times better connectivity and 3 times TCP IP throughput with highly stable link even in harsh environmental conditions

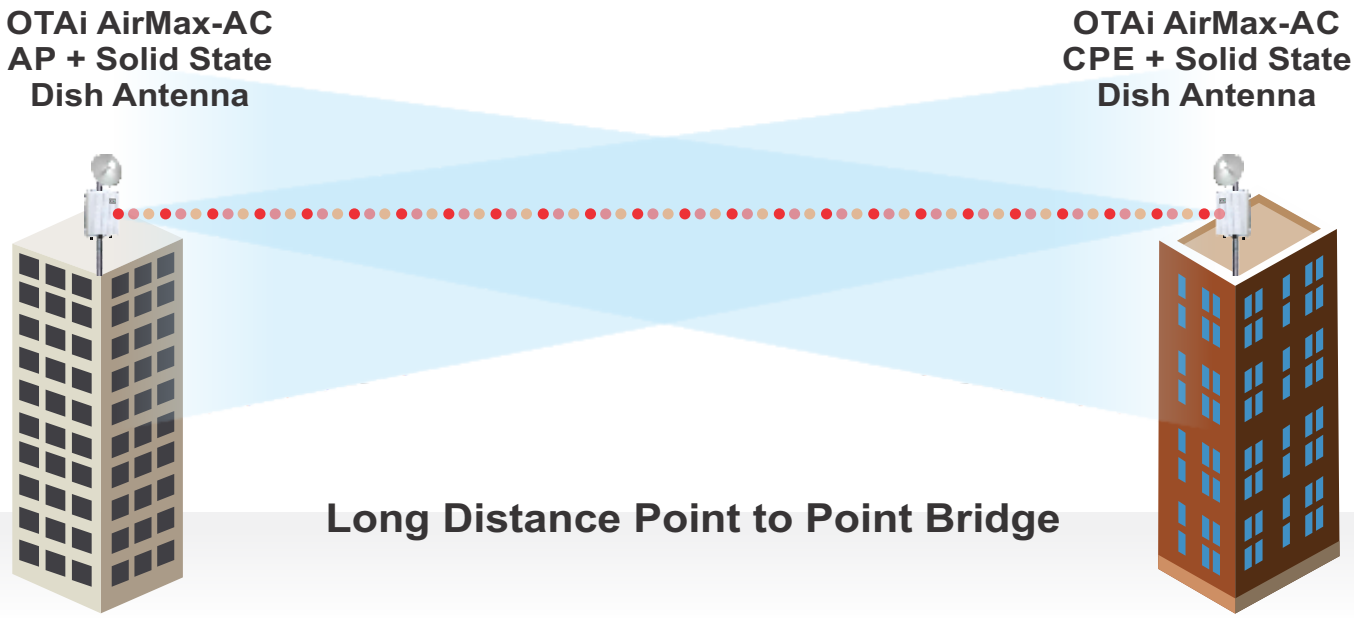
HD-quality video

Full Scale user friendly QoS with traffic shaping presets, HD-Quality video from mobile and fixed surveillance cameras, monitors and recording systems can be easily transported over wireless network on real-time basis, say up to 30 frames per second

Advanced Network Features

Other advanced network features include VLAN tagging, firewall, NAT, QoS and bandwidth management. The advanced routing offers operating modes like gateway/BGP/RIP2 & OSLR. (PPTP, L2TP) PPPoE server / client & STATIC IP routing options.

Unique DHCP forwarding option for fast roaming, authentication via captive portal, integrated HotSpot clients like sputnik/Chilli Spots / HotSpot system, (-96) RX sensitive, STP protocols put the OTAi AirMax-AC on the top of the index when compared with similar products available in market.



OTAi AirMax-AC
High Performance Outdoor Radio

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Riding AC Waves

A faster and more scalable version of 802.11n and Gigabit Ethernet.

Specifications

Model	OTAi AirMax-AC
Chipset	Atheros AR9344 Network Processor
Flash	16 Mb
SDRAM	128Mb DDR2
Frequency Band	an / ac = 4.90-6.10 / 5.1-5.8GHz (Extended Frequency Band)
Tx Power Adjustable.	27 dbm in case of a/n 26 dbm in case of a/c
Operation Mode	AP, Client, Client Bridge, WDS Station , WDS AP , MESH Repeater
Standards	802.11AC
Connectivity (max)	900Mbps TX 900Mbps RX
Data Modulation (an)	BPSK, QPSK, CCK & QAM 64 (OFDM, DSSS)
Data Modulation (ac)	BPSK, QPSK, CCK, QAM 64 (OFDM, DSSS) & QAM 256.
802.11n/AC High-Throughput	(802.11n) HT 20/40 (802.11ac) HT 20/40/80

Data Rate	2T 2R , 900 Mbps Max (ac mode) (Radios implement 2x2 MIMO with two spatial streams, providing up to 900 Mbps data rate per radio. Dual receiver chain maximal ratio combining (MRC) for improved receiver performance)
	2T 2R , 300 Mbps Max (n mode) (Radios implement 2x2 MIMO with two spatial streams, providing up to 300 Mbps data rate per radio. Dual receiver chain maximal ratio combining (MRC) for improved receiver performance)
Throughput	HT 20/40 = 150 / 300 Mbps max (802.11an) HT 20/40/80 = 200/450/900 Mbps max (AC)
Data Optional	1 x 10/100/1000 Base-T Ethernet Port Auto MDI/MDIX, Additional 1 x 10/100/1000 Base T Gigabit Port
Power (PoE) Standard	24V - 48V Passive PoE ,80.2 3af PoE (48V-56V) IEEE 802.3af/at injectors (both end span and mid span). Passive Injectors (24V-48V) (mid span)
Data Optional	1 x 10/100/1000 Base-T Ethernet Port Auto MDI/MDIX, Additional 1 x 10/100/1000 Base T Gigabit Port
Power (PoE) Standard	24V - 48V Passive PoE ,80.2 3af PoE (48V-56V) IEEE 802.3af/at injectors (both end span and mid span). Passive Injectors (24V-48V) (mid span)

Router Specifications	Basic Network Platform TCP/IP protocol suite
Networking	NAT/PAT, DHCP server, relay, client, VLANs Support for HTTP, HTTPS, SSH, Telnet, SNMP V2 (Read Only Excess), NTP Server & Client
Security	64/128/ 256 bit WEP, WPA, WPA2,RADIUS and 802.1x encryption Mode For Wireless Network MAC and IP address filtering, Access control list
Band Width Management	Per IP/protocol/subnet/port, CBQ, RED, SFQ, byte limited queue, packet limited queue
Tunnels	PPTP, EoIP (Ethernet over IP) Multicasting support (beta available)
Bridging	Spanning tree protocol, multiple bridge interfaces, bridge firewall
QoS	Full Scale QOS with traffic shaping and user friendly Presets .
DNS Client / Server	Name resolving for local use, Dynamic DNS Client
Multiple SSID	Offers Virtual AP support with multiple SSID & individual encryption and IP address/ DHCP
HotSpot	Built-in HotSpot Clients (Sputnik / Chilli Spots / HotSpot System) **Plus PPPoE Server / Client**

Operating Temperature	(-40°)C - (80°)C
Storage	(-20)% - (90)%
Humidity	(5)%-(95)% non-condensing
Weather Rating	IP 67
Wind Survivability	Up to 165 mph
Mounting	Mast /Pole mounting (Aluminum , Light Weight, non-corrosive)
Wireless Users	
Max	254
Recommended	64
RF	2x N-Female connectors for choice of antenna using RF male cable assembly
Power	20W (Max consumption)
Watchdog Timer	Software / Hardware / Temperature

MIMO N Technology

RADIUS READY

PoE (Power Over Ethernet) Power + Data

UV RESISTANT

FROST RESISTANT

WATER PROOF

DESIGNED FOR WISP STATION / REPEATER

ONNET TECHNOLOGIES AND INNOVATIONS LLC

P.O. BOX # 23170, Ajman, UAE, Ph:+971 6 7480204, Fax:+971 6 7480105, Email:info@onnettechnologies.com Web: www.onnettechnologies.com.