



# UOA6320-O

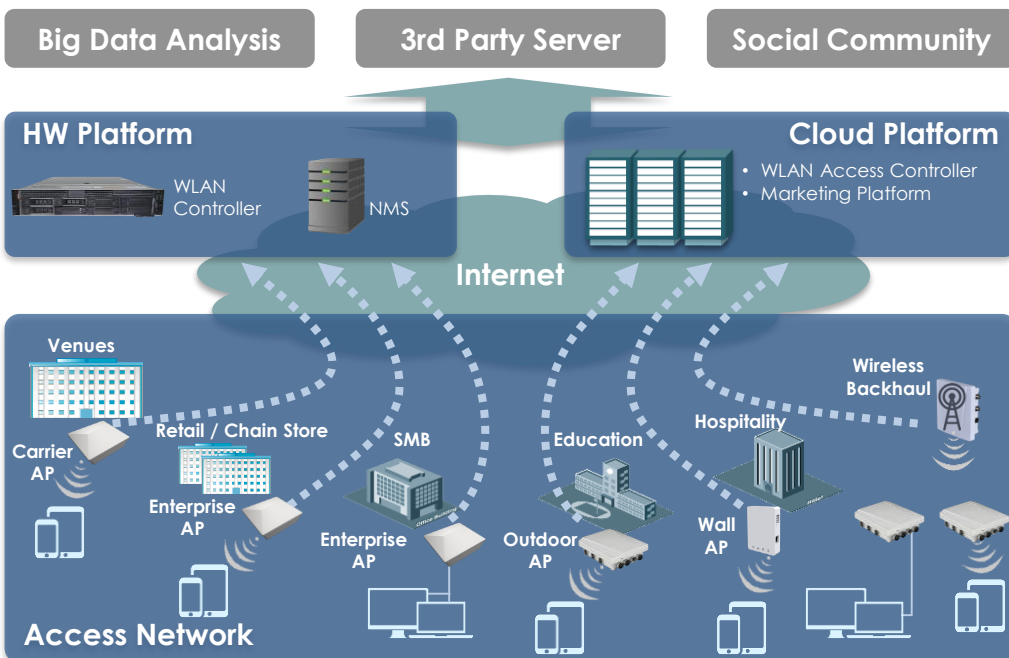
## DUAL-BAND 802.11AC WAVE 2 OUTDOOR ACCESS POINT



### Features

- DUAL-BAND 2.4/5GHz
- IEEE802.11a/b/g/n/ac Wave 2
- HIGH AGGREGATED DATA RATE 1.167Gbps
- UP TO 32 BSSIDs
- CENTRALIZED ARCHITECTURE
- VARIOUS AUTHENTICATION MECHANISMS
- POE (IEEE 802.3at) & 12VDC
- OUTDOOR, IP67

### High-performance integrated Wireless Access Point



### Description

The UTStarcom's UOA6320-O is the newest intelligent dual-band outdoor access point supporting the 802.11ac wave2 standard, 2 spatial streams, 2x2 MIMO. These advanced features along with dual-radio dual-band design offer extreme performance with aggregated data rate up to 1.167Gbps.

Providing large coverage area, big number of SSIDs and high throughput, UOA6320-O is ideally suited for installation in dense urban environments, deployment of hotspots, providing connectivity in stadiums, malls, campuses, and for

many other outdoor applications. Providing up to 32 BSSIDs, the UOA6320-O can assign individual parameters and security policies for each SSID. The product provides QoS enforcement through support of a wide range of QoS policies such as WLAN/AP/STA-based bandwidth limitation modes that prioritize key services.

The UOA6320-O supports centralized (FIT) and local (FAT) network modes for greater deployment flexibility and easier device and network management. In FIT AP mode the UOA6320-O is managed via central Access Controller (see UTStarcom's

MSG Series), which handles all aspects of AP operations including configuration of channel, power, SSID, security, VLAN etc.

Its compact size and support of PoE makes it ideal for a variety of outdoor applications and deployment scenarios and simplifies site selection and AP installation.

As a part of AC-controlled wireless network, the UOA6320-O efficiently helps operators to meet the ever rising demand for bandwidth.

[WWW.UTSTAR.COM](http://WWW.UTSTAR.COM)

UTStarcom, Inc.

1732 North First Street, Suite 220  
San Jose, California 95112, USA

T: +1 408 453 4557  
F: +1 408 453 4046



A global telecom infrastructure provider of innovative carrier-class broadband transport and access solutions.

© 2018 UTStarcom, Inc.

# UOA6320-O

## DUAL-BAND 802.11AC WAVE 2 OUTDOOR ACCESS POINT



### Product Highlights

### Technical Specifications

#### ROBUST WIRELESS PERFORMANCE

The UOA6320-O supports concurrent dual-band radio, integrated MIMO and OFDM technology and smart WLAN features. It is capable of providing large coverage and data rates up to 300Mbps in 2.4GHz band and up to 866Mbps in 5GHz band for aggregated performance of 1.167Gbp .

#### RELIABLE WIRELESS SECURITY

The UOA6320-O supports variety of authentication methods including 802.1X and Web authentication, and provides advanced wireless security features including WPA(TKIP), WPA2(AES), WPA-PSK, and WEP (64 or 128 bits) in order to meet the different access control requirements for different users and applications.

#### CENTRALIZED ARCHITECTURE

Wireless AC or Cloud AC can remotely and centrally control all aspects of AP operations including configuration of channel, power, SSID, security, VLAN etc.

#### COMPREHENSIVE MANAGEMENT

The centralized network management system NMS Netman 5000 OMC-W 3.0.X (UTView 5000) provides comprehensive control functions and monitoring tools for efficient remote network operation.

#### FLEXIBLE DEPLOYMENT

The AP supports both FIT and FAT modes, and enables easy switching between them based on required deployment scenario. Robust outdoor design of the UOA6320-O, multiple installation options and support of PoE simplify site acquisition.

#### EASY INSTALLATION AND OPERATION

Zero-configuration installation in FIT mode with auto-configuration via Wireless AC ensures quick installation of the UOA6320-O. Centralized configuration, control and optimization functions available with AC-based WLAN facilitate easy deployment of large-scale networks and easy operation and maintenance with fewer site visits required.

#### ENVIRONMENTAL PROTECTION

The UOA6320-O features an industrial-class enclosure that can withstand exposure to extreme outdoor conditions and is rated IP67.

#### WLAN CHARACTERISTICS

<b>WLAN Standards</b>	IEEE802.11a/b/g/n/ac wave 2
<b>SSID number</b>	Up to 32 BSSID
<b>Per-SSID configuration</b>	Yes: authentication, encryption, VLAN attributes
<b>Hidden SSID</b>	Yes
<b>Max clients per AP</b>	256
<b>WDS</b>	Yes (Bridge mode)
<b>Mesh</b>	Yes
<b>Fair airtime</b>	Yes
<b>Intelligent identification of smart devices</b>	Yes
<b>Intelligent load balancing based on the number of users or traffic</b>	Yes
<b>STA control</b>	SSID/radio-based
<b>Bandwidth control</b>	STA/SSID/AP-based speed control
<b>QoS</b>	WMM per 802.11e
<b>5 GHz band preference</b>	Yes
<b>TDMA scheduling</b>	Yes
<b>802.11w</b>	Yes
<b>Dynamic Frequency Selection (DFS)</b>	Yes
<b>RF Management</b>	Yes
<b>Hotspot 2.0</b>	Yes
<b>Fast roaming</b>	Yes
<b>Vo-WiFi</b>	Yes

#### WLAN SECURITY

<b>WLAN authentication</b>	PSK, Web, 802.1x, MAC address, QR code, SMS
<b>WLAN encryption</b>	WPA (TKIP), WPA2 (AES), 802.11i, WPA-PSK, and WEP (64 or 128 bits)
<b>WLAN security</b>	Data frame filtering (white list, static/dynamic black list) User isolation Rogue AP detection and countermeasure Dynamic ACL assignment WAPI X.509 digital certificate RADIUS CPU Protection Policy (CPP) Network Foundation Protection Policy (NFPP) WIDS (Wireless Intrusion Detection System)

#### RF CHARACTERISTICS

<b>Radio</b>	Concurrent dual-radio dual-band
<b>MIMO</b>	2x2 SU-MIMO, 2x2 MU-MIMO
<b>Spatial Streams</b>	2
<b>Frequency Bands</b>	802.11b/g/n: 2.4GHz to 2.483GHz 802.11a/n/ac: 5.150GHz to 5.350GHz, 5.47GHz to 5.725GHz, 5.725GHz to 5.850GHz (varies per country)
<b>Max Data Rates</b>	Internal antenna: 300Mbps@2.4GHz 866Mbps@5GHz 1.167Gbps per AP
<b>Channel Bandwidth</b>	20/40/80MHz
<b>RF Power output</b>	26dBm max per radio (Note: Actual max transmit power depends on local laws and regulations)
<b>RF Power Adjustment</b>	1dBm step
<b>Receiver Sensitivity</b>	2.4GHz: -101dBm (varies in different bands) 5GHz: -93dBm (varies in different bands)
<b>Internal Antenna</b>	Built-in omni 6dBi

#### LOCATION-BASED SERVICES

<b>Wireless position tracking</b>	Yes
-----------------------------------	-----

# UOA6320-O

## DUAL-BAND 802.11AC WAVE 2 OUTDOOR ACCESS POINT



### Technical Specifications

#### SERVICE INTERFACES

**Ethernet ports** 1 10/100/1000Mbps  
ETH1/PoE IN port (RJ-45  
connector)

#### MANAGEMENT INTERFACES

**Management ports** In-band management via  
ETH port

#### POWER

**Power supply** 802.3at PoE & 12VDC  
**Power consumption** <25W

#### DIMENSIONS AND WEIGHT

**Dimensions, WxDxH** 340×260×120mm  
**Weight** <2kg

#### ENVIRONMENTAL

**Operation temperature** -40°C to 65°C  
**Storage temperature** -40°C to 85°C  
**Operation humidity** 0% to 100% non-  
condensing  
**Storage humidity** 0% to 100% non-  
condensing  
**Protection** IP67

#### INSTALLATION

Wall-mount  
Pole-mount

#### L2 FEATURES

IGMP snooping  
VLAN features

#### L3 FEATURES

IPv4 address: Static IP address or DHCP reservation  
IPv6 CAPWAP tunnel  
ICMPv6  
IPv6 address: Manual or automatic configuration  
IPv6 tunnel: Manual or automatic configuration  
IPv6 transparent transmission  
ISATAP  
Multicast: Multicast to unicast conversion  
VPN pass - through

#### MANGEMENT

**Management modes** FIT and FAT  
**Network management** SNMP v1/v2C/v3, Telnet, SSH,  
TFTP, FTP, Web management  
**Visualized wireless heat map analysis** Yes  
**Real-time spectrum analysis** Yes  
**Fault detection and alarm** Yes  
**Cloud AC management** Yes  
**Statistics and logs** Yes  
**Software update** Auto via CAPWAP  
Manual via web, TFTP  
**FAT/FIT switching** The AP working in FIT mode  
can switch to the FAT mode  
through the UT wireless AC.  
The AP working in FAT mode  
can switch to the FIT mode  
through Telnet/SSH.

### Product Details

#### REGULATORY COMPLIANCE

**Safety:**  
EN 55024:2010  
EN 55032:2012/AC:2013  
EN /IEC 60950 - 1  
IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4,  
IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8,  
IEC 61000-4-11, IEC 61000-3-2,  
IEC 61000-3-3

**Health:**  
EN 50385, IC Safety Code 6

**Radio:**  
EN300328,  
EN301893  
EN 301489-17  
EN62311

**Vibration:**  
GB/T 2423

**Environment:**  
WEEE / RoHS



Please note the information contained herein is for informational purposes only. Technical claims listed depend on a series of technical assumptions. Your experience with these products may differ if you operate the products in an environment, which is different from the technical assumptions. UTStarcom reserves the right to modify these specifications without prior notice. UTStarcom makes no warranties, express or implied, on the information contained in this document.

[WWW.UTSTAR.COM](http://WWW.UTSTAR.COM)

**UTStarcom, Inc.**

1732 North First Street, Suite 220  
San Jose, California 95112, USA

T: +1 408 453 4557

F: +1 408 453 4046



A global telecom infrastructure provider of innovative carrier-class broadband transport and access solutions.

© 2018 UTStarcom, Inc.