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**U.S. Robotics®**

**Long Range Wireless Access Points and Bridges.**

### **Product Description.**

**Product:- XWLAN UAP3 – Professional External Grade Access Point.**

**Description:-** The UAP3 Professional External Grade Access Point has the ability to function as an access point and a bridge at the same time. Additionally up to 5 UAP3s can be clustered together and managed as a single entity. This high level of functionality allows many different configurations and combinations giving the flexibility to cope with the most demanding application. The UAP3 is available in IP56 or IP66 versions allowing installation in the most hostile environment. The enhanced standard antenna configuration means bridges over 400M are easily achieved without the added cost and complication of high gain antennas. Alternatively using one of our selection of high gain antennas provides the ability to bridge over 4KM. Dynamic channel assignment is also available as standard. Power over Ethernet is included in the package. The UAP3 is built and tested to your specification in our workshop improving 'out-of-the-box' security and easing installation. Further configuration should be performed using the standard USR software application or a web browser.

**Key points:-**

Simultaneous AP and bridging functionality.

Clustering.

Bridging over 400M using standard ETSI compliant antennas.

Available in either IP56 or IP66 rated enclosures.

Backwardly compatible with all 11/22/54Mbps 802.11b/g WiFi equipment.

Built in security allowing WEP, WPA, 802.1x, radius, encryption and authentication as well as MAC filtering.

Simple installation and web based configuration.

**Notes:-**

Additional materials may be required to mount this equipment to your building.

Performance will vary due to alignment, distance and operating environment. Installation should be carried out by an experienced WiFi installer to achieve the best performance. A clean power supply is recommended.



## Standards and Specifications:-

### Standards

- 802.11g, 802.11b and frame bursting acceleration
- Multi-SSID/Multi-BSSID (4 Beacons)
- Variable Power
- Meets ETSI 100mW Output restriction
- Dynamic Channel Planning
- Auto Channel Selection
- Load Balancing
- Repeater Mode (WDS)
- Bridging/Multi-bridging (WDS)
- 802.11d for enhanced global roaming capability
- WMM Quality of Service (QoS) support
- Multicast support

### Security

- Wi-Fi Protected Access 2 (WPA2)/802.11i
- Wi-Fi Protected Access, TKIP
- AES Encryption
- 64/128-bit Wired Equivalent Privacy (WEP) encryption
- 802.1x authentication
- SSID Disable
- VPN Passthrough: IPSec, L2TP & PPTP
- MAC Address Filtering
- Neighbor AP Detection
- VLAN tagging - pass through and association with BSSID
- Mini-radius (100 user embedded authentication: EAP, PEAP)
- HTTP Redirection for guest/login

### Management and Monitoring

- SNMP: MIB1, MIB II, Bridge MIB, 802.11 MIB, Client Radio Stats, Firmware upgrade, Reset, RF Channel Management.
- Monitoring: AP - Location, Status, Firmware and configuration, Throughput, Security; System Log Capture, RF Interference, Clients. AP Clustering, single view of Cluster (HTTP) Import/Export of AP configuration and LAS files.

### Antenna

- Two 5 dBi swivel dipole removable antennas with reverse polarity SMA connector.

### Connectivity

- 10BaseT/100BaseTX/RJ45 port, auto-sensing/auto-switching Ethernet LAN.

### Frequency

- 2400 - 2462 MHz for North America
- 2400 - 2483.5 MHz for ETSI

### Channels

- 11 channels for North America
- 13 channels for ETSI

### Approvals

FCC Class B; UL, CUL; CE Class B

### Requirements

- HTML configuration is supported by any computer that supports TCP/IP and Web Browser (4.01 specification greater).

### Package Contents

- XWLAN/U.S. Robotics Professional Grade AP
- IP56 or IP66 enclosure.
- External grade Ethernet Cable to your specification
- Power over Ethernet supply
- Quick Installation Guides
- Companion Reference Guides
- Installation CD-ROMs

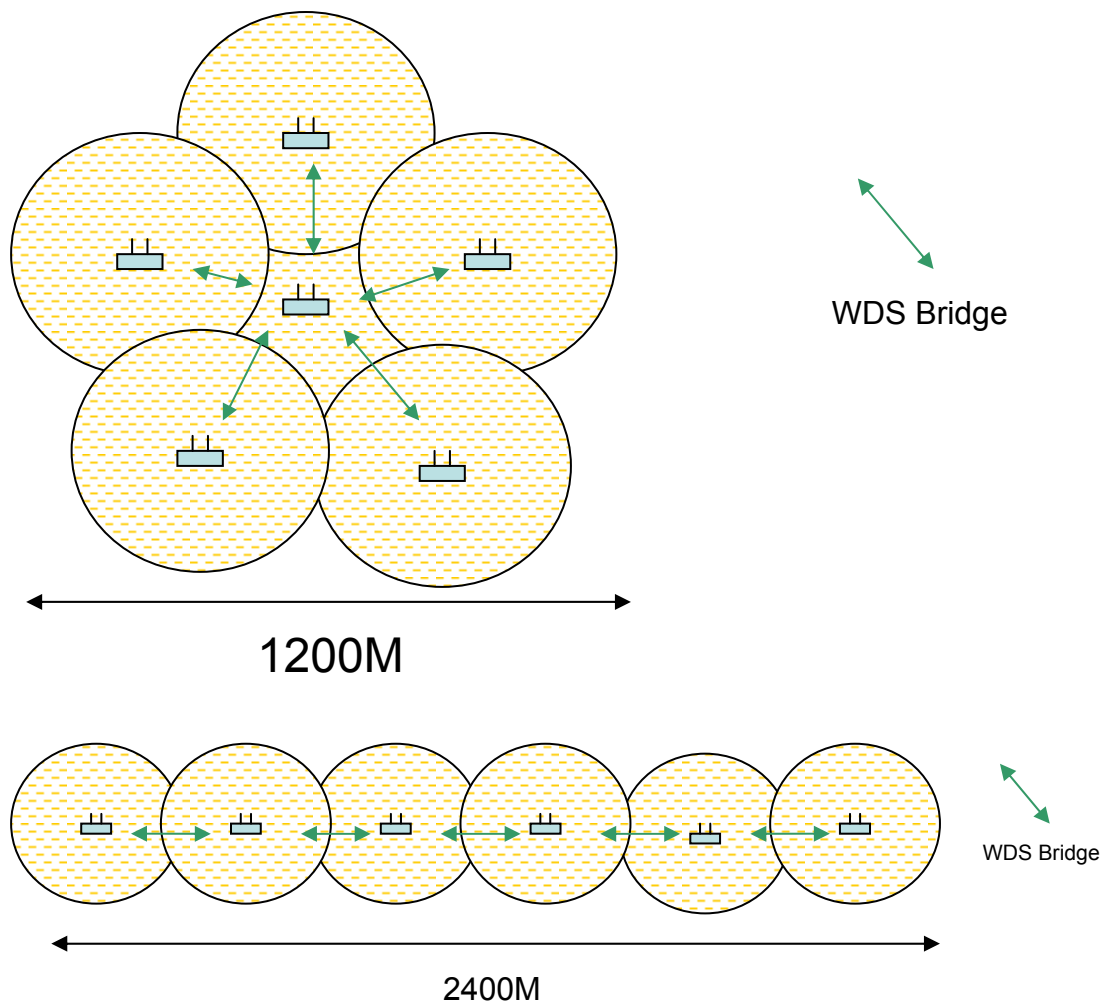
### Approximate Dimensions and Weight

- Bridge IP66 version 360mm x 253mm x 108mm excluding IP67 connector and bracket – 2152g with 3M CAT5e and bracket.
- Bridge IP56 version 335mm x 255mm x 100mm excluding IP67 gland and bracket – 1980g with 3M CAT5e cable and bracket.

### Warranty

- Two-year return to base limited warranty from date of purchase.

**Example configurations using standard antennas:**



**Enclosure Details:**

The XWLAN UAP3 is the 3<sup>rd</sup> generation of XWLAN external grade WiFi Access Point. Over the past 6 years XWLAN products have continuously evolved providing better than 99.9% reliability and have previously been rated at IP56 (splash proof). The new UAP3 is now optionally available with IP66 rated (submersible) enclosure and connectors. This is a requirement of Network Rail who XWLAN have been working with. The aim is to provide a high specification unobtrusive WiFi connectivity solution for the connection of disparate buildings at Railway Station sites and Customer Information Displays.



Submersed - XWLAN UAP3 IP66 rated enclosure and connectors.

We have now had XWLAN products on test all over Europe for many years in conditions from extreme heat in Southern Spain to severe cold and wet in the North of Scotland. We have also frozen UAP products and heated them to over 70°C internal temperature using infra red heat lamps. In all situations we have had a zero failure rate.

More Information on our products and services is available at [www.XWLAN.com](http://www.XWLAN.com)

Please email [sales@xwlan.com](mailto:sales@xwlan.com) with any queries or for a tailored quotation. Please note we are more than happy to modify any of our existing range or develop new products to meet your application requirement.