



# MeshAP™ 1100

## Indoor 2.4GHz Full-Duplex Wi-Fi Mesh Network Access Point

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### Reliable, Intelligent, High Performance Mesh Network

- Patented Auto-discovery, Auto-configure, and Auto-healing POP (Predictable Optimum Path) mesh routing algorithm
- Multiple wireless paths design for both backhaul and user traffic eliminates adjacent AP signal interference and provides zero performance degradation
- Best network throughput via layer 2 fast switching and bridging from AP to AP to support real time video, voice, and data applications

### Fully Compatible with Existing Access Server, Router, and Gateway

- Transparent to layer 3 and up protocols, fully compatible with existing network equipments
- Directly connect to existing Router, Gateway, or AP through 10/100 Ethernet

### Management and Security

- Support Web Based browser
- Support WEP encryption security across wireless mesh network
- Mesh network protection with user defined operator ID and network ID



**Convert Hotspot to Hotzone** is the best way to increase Wi-Fi service revenue by reaching more subscribers with minimum capital investment and operating cost. ArrowSpan's MeshAP 1100 extends hotspot coverage using wireless mesh technology with plug-n-play easy installation.

**A Mesh Link is a true wireless connection** between any two MeshAP 1100. ArrowSpan MeshAP 1100 will automatically discover their neighbor MeshAP 1100(s) and interconnect all MeshAP 1100 together to form a large coverage wireless network.

**MeshAP 1100 implements Layer 2 mesh routing** which provides excellent network performance as well as fully compatible with existing network equipments and applications. MeshAP 1100 is able to support high-bandwidth and low latency applications like real-time video and voice.

**Predictable Optimum Path (POP)** routing algorithm creates MeshAP 1100 based Wi-Fi mesh network with best throughput, reliable mesh link, and auto-discovery/auto-configuration/auto-healing benefits. The algorithm is like human intelligence to examine the network and make appropriate connections among MeshAPs in real time. It'll also re-establish a new network when obstacles, individual node problem, or new node or internet access events occur.

**High throughput Mesh Network** is achieved by non-blocking and no-interference for client and backhaul traffic. MeshAP 1100 multi-radio and multi-channel design eliminates wireless signal interference and traffic conflict problems that exist on many other mesh network products.

**Web management** through both wired and wireless interfaces enable both non-technical and professional users easily handle their network management and maintenance task. Point and click on browser gives view of network topology and every MeshAP's configuration and status to traffic count, user number, link signal quality, error count, and event logs. are available for advanced user preferring to manage through their own network manager.

**MeshAP 1100 is highly secured** through full support of wireless WEP encryption on both backhaul and user traffics. Multi-level administration password control provide MeshAP users the highest security guard for all services and applications.

