

## MultiAP™ 700g IA-12

## MultiSSID Rugged AP

### Multi-SSID VLAN with Integrated Directional Antenna

ValuePoint™ Networks MultiAP 700gIA-12 is designed for **indoor/outdoor** Wi-Fi deployments in hotels, apartment buildings, outdoor, or industrial applications. It is a b/g Access Point, with an adjustable **400 mWatt (25 dBi)** radio output, and an entirely enclosed 12 dBi Flat Panel Antenna. **Total output is up to 36 dBi.** This unit is packaged in the same compact form factor as the MultiAP, available with a **side mount**, perfect for mounting at the end of hallways, above ceilings, or on the outside of a building. The MultiAP 700g supports up to 31 independent SSIDs each with its own security settings, and 31 VLANs. Pricing for the 700g is more cost effective than ever before, dramatically lowering your infrastructure costs, and increasing your Return on Investment.



### Hardware Features

The MultiAP 700gIA comes with a versatile integrated flat-panel 12 dBi 120 degree directional antenna and a multi-position secure bracket. Your backbone Ethernet cable connects to the AP through a moisture-proof gland and the entire unit is sealed.

The 700gIA supports **IEEE 802.3af 48Volt Power over Ethernet.** It uses Transmit Power control, enabling it to be used in a wide variety of special applications where the wireless output needs to be controlled for the environment.



### **User Authentication**

Secure authentication based on industry standards  
The 700g supports 802.1x/Radius-based authentication features that interoperate with a back-office Radius server to provide authentication of each user. 802.1x-based authentication means a 700g is compatible with a wide variety of shared usage and public access applications.

### **Quality of Service**

The 700g uses 802.1p priority tagging and offers three QoS levels, gold, silver, and bronze mapping to Voice quality, excellent effort, and best effort. Each SSID can be set for its own separate QoS level, allowing certain SSIDs to get highest priority.

### **Security and Management**

#### **Highly secure and manageable**

In addition to Radius-based and MAC-based authentication, the 700g supports the 64-bit and 128-bit Wireless Encryption Protocol, WPA-TKIP, WPA-PSK, and WPA2-PSK with AES, 802.1x and disabling of SSID broadcast. Security settings are independent per SSID, up to 31 SSIDs. Layer 2 Isolation for the entire AP can be enabled.

Management can be enabled or disabled from wireless clients.

The 700g is easy for administrators to setup through Web-based management. Additionally, management can be done via Telnet, SSH, Console message log, Remote Syslog and SNMP v1/v2/v3, 802.1x and 802.1d MIBs. It supports remote firmware upgrades via ftp file transfer. NTP Server support.

### **Compatibility**

#### **Wi-Fi**

The 700g is fully compatible with the Wi-Fi standard, ensures the usability with any Wi-Fi compatible wireless equipped device. Wi-Fi is the fastest growing standard for Internet access and is supported on a vast number of PCs today.

#### **Multiple Independent SSIDs**

#### **Provides multiple virtual networks**

The 700g's 31 SSIDs can be configured as 31 independent networks. These networks can have unique or common assignments of WiFi security, VLAN

security, and IP networking ranges. Each SSID has a real, non-overlapping BSSID MAC Address for maximum compatibility with WiFi clients.

### **About ValuePoint Networks**

ValuePoint Networks is the foremost manufacturer of price leading Gateway Controllers, Rugged Access Points, and outdoor Mesh gear.

ValuePoint products are used in Hospitality, MTU/MDU, industrial, WISP, outdoor, hotspot, municipal, and enterprise applications. Using ValuePoint gear, you can light up more for less, reduce your capital expenditures, and improve your Return on Investment.

**[www.valuepointnet.com](http://www.valuepointnet.com)**

## **Technical Specifications**

### **Access Point Specification**

#### **Wireless**

Up to 31 independent ESSID/BSSID

IEEE 802.11b/g

Frequency band: 2.4-2.4835GHz

Media Access Protocol: CSMA/CA with ACK

Modulation Techniques: DSSS, OFDM, CCK, DQPSK, DBPSK

Data Rates: OFDM@54Mbps, CCK@11/5.5Mbps, QPSK@2Mbps and DBSK@1Mbps

AP Range: 2000 meters line of sight (client dependent)

400 mWatt (26 dbm) transmit power (FCC approved)

Receive sensitivity: 802.11b: -96dBm@1Mbps, -92dBm @ 11Mbps

802.11g: 92dBm@6Mbps,6dBm@54Mbps

#### **Networking**

Up to 31 independent VLANs

DHCP Client and Server. DHCP range per SSID

WDS Bridging

#### **Security**

64/128 bit RC4 WEP

802.1x Port-based Network Access Control (EAP-MD5, EAP-TLS)

Wireless Protected Access (WPA)

WPA2 AES



### **Management**

Web-based management  
FTP firmware upgrade  
Message logging  
SNMP v1/v2/v3, MIBII with traps, 802.1x, 802.1d MIB  
Telnet  
SSH  
Remote syslog

### **Interfaces**

1 10/100M RJ-45 Ethernet LAN port

### **Compatibility**

Works with any Wi-Fi certified interfaces  
31 Non-overlapping unique BSSIDs

### **Operating Environment**

NEMA4 and outdoor rated  
Aluminum case for use in plenums  
Operating Temperature: -20 to 70 C  
Storage Temperature: -20 to 70 C  
Humidity: Max. 95% non-condensing  
10.5 x 6 x 6 / 3.2 Lbs

### **Electrical**

802.3af 48 Volt Power Over Ethernet

### **Regulatory Approvals**

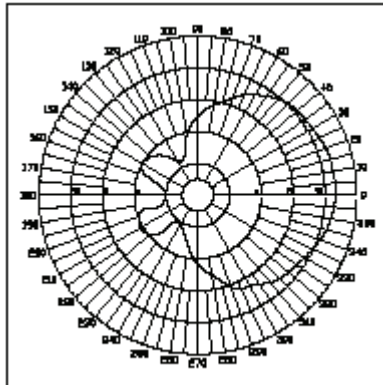
FCC Part 15C, CE (RF, EMC, LVD)

### **Antenna Specification**

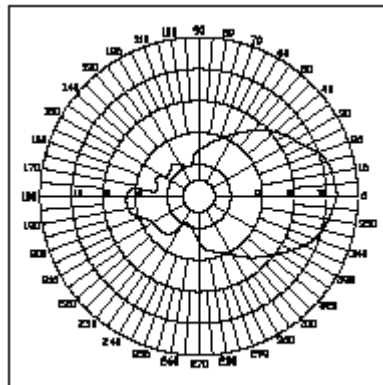
**Type:** Panel antenna  
**Linear:** V or H  
**Frequency:** 2400-2483.5MHz  
**Impedance:** 50 ohm  
**Antenna Pattern:** 120 Degrees H Plane  
**VSWR:**  $i\varnothing 2.0$   
**Gain:** 12 dBi  
**Power handling:** 10 Watt  
**Size:** 166\*140\*30mm  
**Weight:** 400g(include swivel base).  
**Operation temp:** -30 $\varnothing$ J + 60 $\varnothing$ J  
**Material:**  
Cover & Base: Injection ABS  
Mount: Stainless steel, Electro-plating



H-Plane



E-Plane



**Warranty**

One year parts and labor  
30 day satisfaction guaranteed