



## SuperAP™ 570 1 Watt Rugged Access Point/Bridge

### 54Mbps High Powered Wi-Fi with Tamper/Weather Resistant Case

ValuePoint™ Networks high speed (54Mbps) high power 802.11b/g compliant SuperAP 570g is designed especially for outdoor Wi-Fi deployments where large coverage is required. It is a **Rugged Access Point, with 1 Watt (30 dBi) transmit output and industry standard Power over Ethernet**. Ideal for outdoor applications where industrial hardened equipment is required, we use a NEMA style enclosure, lockable to any flat surface. The SuperAP 570g can act as an Access Point, Bridge repeater, or combination Access Point and Bridge repeater. Pricing for the 570g is more cost effective than ever before, dramatically lowering your infrastructure costs, and increasing your Return on Investment.



### Hardware Features

The SuperAP 570g comes with an industry standard female N-bulkhead connector so you can use a wide assortment of the best antennas available. Your backbone Ethernet cable connects to the AP through a moisture-proof gland and the entire unit is sealed with a heavy-duty gasket. The unit is entirely sealed from the harshest elements outdoors, tampering indoors, and is suitable for all applications.

The 570g runs on higher power 48Volt 1 AMP Power over Ethernet provided by ValuePoint's POE-1 injector. It uses external *replaceable antennas*, enabling it to be used in a wide variety of special applications where the wireless output needs to be tailored for the environment. Special high-gain, omni-directional, directional, or Yagi antennas can be attached to the unit using standard N-type cabling.

The 570g also has *high receive sensitivity up to -102 dBm* enabling extremely long point to point and client to AP applications.

### User Authentication

#### *Secure authentication based on industry standards*

The 570g incorporates 802.1x/Radius-based authentication features that interoperate with a back-office Radius server to provide authentication of each user. Radius-based authentication means a SuperAP 570g is compatible with a wide variety of shared usage and public access applications. In addition, the 570g can authenticate users based on their MAC address if desired.





## Security and Management

### Security and Management

#### *Highly secure and manageable*

In addition to Radius-based and MAC-based authentication in the Advanced Version, the 570g supports the 64-bit and 128-bit Wireless Encryption Protocol (WEP), Wireless Protected Access (WPA), Static WPA-PSK, and disabling of SSID broadcast. Specific packet filtering by Ethernet type, protocol, or port is also supported.

The 570g is easy for administrators to setup through Web-based management, or our Windows-based network manager. Additionally, management can be done via SNMP v1, v2c, 802.1x and 802.1d MIBs. It is UPnP-enabled and supports remote firmware upgrades via TFTP or HTTP file-based upload.

### Extended Network Range

#### *Repeater functionality*

The 570g is able to operate as a repeater in addition to an access point, allowing it to communicate with other compatible AP/routers to form a Wireless Distribution System. This greatly extends the reach of the wireless network. Using directional antennas and the unit's powerful 1W output, a range of 25 miles line of sight is achievable. Up to six WDS links can be established from a single unit.

### Compatibility

#### *Wi-Fi*

The 570g 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.

### About ValuePoint Networks

ValuePoint is a manufacturer of Wi-Fi products for service providers, small and medium sized businesses, and the shared access market. ValuePoint's products are designed for the unique needs of Service Providers, Wireless ISPs, Billing Providers, and Venue Operators in the burgeoning mobile access space. This includes Airports, Hotels, Multi-Tenant Units, Multi-Dwelling Units, Pay Telephones, and Storefronts. For more information on ValuePoint's Rugged Access Points and Wireless Gateways, please visit us online.

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





## Technical Specifications

### Wireless

- IEEE 802.11b/g
- Frequency band: 2.4-2.4835GHz
- Modulation Techniques: DSSS (OFDM, CCK, DQPSK,DBPSK)
- Data Rates: OFDM@54Mbps, CCK@11/5.5Mbps, QPSK@2Mbps and DBSK@1Mbps
- Media Access Protocol: CSMA/CA with ACK, RTS/CTS
- Access Point Range: 4 km (2.5 miles) line of sight (client dependent)
- WDS Repeater Range: 40 km (25 miles) line of sight (antenna dependent)
- 1 Watt transmit power at the N-connector
- OFDM Sensitivity: -80dBm @54Mbps ~ -96dBm@12Mbps
- CCK Sensitivity: -92dBm @11Mbps ~ -102dBm@1Mbps

### Networking

- IEEE 802.3u 10/100BaseTX for Ethernet LAN
- DHCP Client and Server
- Static DHCP mappings
- 802.1d Bridging functionality
- UPnP
- Up to 6 WDS Repeater links

### Security

- 802.1x RADIUS based security
- MAC based access control
- 64/128 bit RC4 WEP
- WPA, WPA-PSK

### Management

- Web-based management
- Wireless Network Manager Application for Windows
- System logging
- SNMP v1/v2
- MIB II with traps, 802.1x, 802.1d MIBs
- Telnet

### Interfaces

- 1 10/100M Ethernet LAN port

### Compatibility

- Works with any Wi-Fi certified interfaces

### Operating Environment

- Operating Temperature: -20 to 70 C
- Humidity: Max. 95% non-condensing

### Electrical

- 48 Volt 1 AMP Power Over Ethernet (Order model POE-1)

### Regulatory Approvals

- FCC part 15 Class B, VCCI Class B, CE Mark, UL

### Advanced Features included

- AP load balancing
- Wireless Client Isolation
- Association Control

### Warranty

- One year parts and labor

