

## Wireless Access Point 802.11b/g

Signamax 802.11g Access Points are the ideal solution for any network administrator who needs to expand the capacity of the wireless network. This is especially applicable to wireless networks in high traffic areas such as airports, coffee shops, shopping centers, sporting venues, and university campus deployments. At transfer rates of up to 54 Mbps. In addition to bridging 802.11b/g wireless networks, For more secure communication, the 065-1784A supports the encryption settings up to 152-bit WEP, and advanced security of WPA, WPA2 and AES. With its web-based configuration the Access Point is easy to install, alter or activate advanced setting, or update with the latest firmware.



Model 65-1784A



Model 65-1784A

### FEATURES

- Fully Comply with IEEE 802.11b and 802.11g Standard High-Speed Data Rate
- High-speed Wireless Connection Up to 54 Mbps Data Rate
- Support 64/128/152 bit WEP and WPA/WPA2 Encryption for Advanced Transfer Security
- Easy Installation, Management, and Configuration Reset
- Act as Repeater and AP at the Same Time via WDS
- Support IP Sharing to Allow More than One Device ON-Line Simultaneously
- Built-in Firewall Provides Additional Security

### Wireless Access Point 802.11b/g

PART NO.	DESCRIPTION
065-1784A	Wireless Access Point 802.11b/g

### SPECIFICATIONS

#### STANDARDS

IEEE 802.11b, IEEE 802.11g, IEEE 802.3, IEEE 802.3u, IEEE 802.3x  
Modulation Types  
802.11b: DQPSK, DBPSK and CCK  
802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM  
Operating Frequency: 2.400 – 2.497 GHz ISM band  
Operating Channels: 11 for N. America, 14 Japan, 13 Europe (ETSI),  
2 Spain, 4 France

#### DATA RATE

802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps  
802.11b: 11, 5.5, 2, and 1 Mbps  
Media Access Protocol: CSMA/CA with ACK  
Receiver Sensitivity:  
802.11b: Typical -83 dBm for 11 Mbps @ 8% PER (Packet Error Rate)  
Typical -89 dBm for 2 Mbps @ 8% PER (Packet Error Rate)  
802.11g: Typical Sensitivity at Which Frame (1,000-byte PDUs)  
Error Rate = 10%  
-87 dBm at 6 Mbps; -86 dBm at 9 Mbps; -85 dBm at 12 Mbps;  
-83 dBm at 18 Mbps; -80 dBm at 24 Mbps;  
-76 dBm at 36 Mbps; -71 dBm at 48 Mbps; -66 dBm at 54 Mbps  
Transmitter Output Power  
802.11b: Typical 18 dBm at 11, 5.5, 2 and 1 Mbps  
802.11g: Typical RF Output Power at each Data Rate  
+14 – 15 dBm at 54 Mbps; +14 – 16 dBm at 48 Mbps;  
+16 – 18 dBm at 36, 24, 18, 12, 9, and 6 Mbps

#### ANTENNA

Dipole antennas with 2 dBi gain for 2.4 GHz

#### INTERFACE

Power Jack, Factory Reset Button,  
10/100M Base-T (UTP), Wireless Dipole Antenna  
Operating Voltage: 5V DC +/- 10%  
Power Consumption: max. 6W (TBD)  
Dimensions (L x W x H): 139.5 x 114.5 x 29.5 mm

#### LEDs

Power LED, 10/100M LED, Wireless LED

#### FEATURES

Transmit Power Control  
Control TX power level from full, 50%, 25%, 12.5%, and min.  
Radio control: Radio on/off supported  
Auto Channel selection: Scan channel and find a clear channel  
DFS/TPC: Dynamic Frequency Selection and Transmit Power Control  
Security: 64/128/152 bit WEP and WPA/WPA2 Encryption  
Authentication Type: Open System Authentication, Shared Key  
Authentication or both enabled