Wireless Access Point 802.11a/b/g

Signamax 065-1755 Wireless 11a/b/g Dual-Band Access Point can be accessed in all three 802.11 wireless networks. 065-1755 contains two separate wireless connectivity radio transceivers, which support all three popular wireless networking specifications. One of the two transceivers uses 2.4 GHz frequency band and supports both wireless 802.11b and 802.11g, which offers up to 11 Mbps and 108 Mbps data rate respectively. The other transceiver uses 5 GHz frequency band and supports wireless 802.11a, also up to 108 Mbps. Since two radio waves operate in different frequency bands, they can work simultaneously and cover your wireless zone with high-speed performance. In terms of security, 065-1755 offers up to 128-bit WEP Encryption, WPA and also includes MAC address filtering, which allows you to assign Internet Access to those you permit. The configuration and installation is made to be simple and fast following the web browser-based setup wizard.

FEATURES & BENEFITS

- **Provide High performance universal wireless network connectivity**
- **Ideal for multi-media data transmission with high speed wireless performance**
- **Easy and fast installation and setup**
- **WDS: AP, Bridge, Repeater, and AP Client**
- **Atheros XRTM eXtended Range technology**

Model 065-1755

Wireless Access Point 802.11a/b/g

PART NO.	DESCRIPTION
065-1755	Signamax Wireless 5 GHz Access Point/Client/Repeater 802.11a/b/g

SPECIFICATIONS

INTERFACE
Ethernet LAN: One 10/100Base-T Ethernet switch port (auto sensing)
LED indicator: LED x4: Power, LAN, 11a link/Act, 11g link/Act
Antenna: 802.11a: 4 dBi (Peak Gain), 802.11b/g: 2 dBi (Peak Gain)
Reset Button: Reset to default setting (hold the reset button after 6 sec)

RADIO CHARACTERISTICS
Standard: IEEE 802.11a 802.11b and 802.11g for WLAN;
802.3 for wired LAN
Frequency Band: 802.11a: US: UNI-Band 5.15 – 5.35 GHz
EU: UNI-Band 5.15 – 5.35 GHz; UNI-Band 5.47 – 5.725 GHz
802.11b/g: ISM band 2.4 – 2.4835 GHz
Modulation: 802.11b: 11 Mbps & 5.5 Mbps CCK;
2 Mbps: DQPSK; 1 Mbps: BPSK
802.11g and 802.11a: OFDM
Media Access Protocol: CSMA/CA with ACK
Transmit Power: 802.11a: Max 16dBm@16QAM R3/4
802.11g: Typ. 16 dBm @ Normal Temp Range
802.11b: Typ. 18 dBm @ Normal Temp Range
Receive Sensitivity: 802.11a: 6 Mbps 10-5 BER @ -91 dBm;
54 Mbps 10-5BER @ -72 dBm; 108 Mbps 10-5BER @ -69 dBm
802.11g: 11 Mbps 10-5 BER @ -85 dBm; 54 Mbps 10-5 BER @ -72 dBm;
108 Mbps 10-5BER @ -69dBm
Data Rate: 802.11b: 11, 5.5, 2, 1 Mbps, auto fallback
802.11g & 802.11a: 108, 54, 48, 36, 24, 18, 12, 9, 6 Mbps
Operating Range: 802.11b: up to 300 m (Outdoor), 35 – 60 m (Indoor)
802.11g: up to 50 m (Outdoor), 20 m (Indoor)
802.11a: up to 300 m (Open space), 100 m (Indoor)
* The performance various depend on environment.

ENVIRONMENTAL
Dimension (L x W x H): 195 x 160 x 27 mm
Weight: 700 g
Temperature: 0° – 40°C (Operating), -20° – 70°C (Storing)
Humidity: 95% Non-Condensing

SOFTWARE FEATURES
Protocol Support: TCP/IP, IPX, NetBEUI
Security: Up to 64bit/128-bit WEP & WPA, MAC address filtering, IP Filtering, Content Filtering. DoS prevention, Time-of-Day ACL
Operating mode: AP, AP Client, Repeater, P2P & P2MP Bridge
Management: Built-in HTTP Server for setup and remote management via any browser

POWER SUPPLY
Input: AC 85 – 230V, 0.35A
Output: DC 5V, 2.5A

CERTIFICATION
FCC class B, CE Mark

WARRANTY
2 years

PACKAGE CONTENT
One Wireless AP, One CD-ROM with User Guide
One DC Power Adapter, One Quick Installation Guide
One RJ45 Cat.5 UTP cable