

AP-12

- Access Point mode
- Client mode
- DHCP client
- LED indication
- MAC address
- 10-Base LAN
- Bridge mode
- Roaming function
- Compact design
- 128/64-bit WEP
- ESS ID



Extend a wired LAN to a wireless network

Compact body

The AP-12 is a compact IEEE 802.11b standard wireless Access Point, designed for both business and home users. Measuring only 100(W)×70(D) ×30.5(H) mm and weighing 90g*, there is almost no limit to where you can install the AP-12. * 3¹⁵/₁₆×1³/₁₆×2³/₄ in; 3.2oz

Three versatile operating modes*

Access Point mode

Allows wireless access to a wired LAN and the Internet for connected clients.

Client mode

Allows use of the AP-12 as a wireless adapter when connected to a mobile PC or network with an Ethernet cable. When using the AP-12 in this mode, the Access Point connected to the wired LAN must also be an AP-12.

Bridge mode

Provides peer-to-peer wireless connection between two or more AP-12s connected to individual networks. Great for connections between floors.

* See the Functions Chart in the back page for available functions in each mode.

Security functions

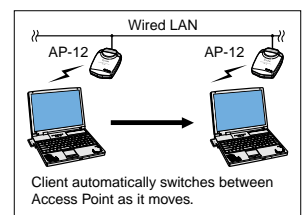
The AP-12 supports the 128/64-bit WEP encryption, MAC address registration and ESS ID. These functions ensure a secure network connection.

Easy to install

The AP-12 has a DHCP client function, which automatically obtains the network configuration from a DHCP server such as the IP address, default gateway and so on. The supplied AP-12 utility software also provides you with a step-by-step tutorial for further ease in installation.

Roaming function

When in Access Point mode, a Roaming function allows full mobility and seamless network access for connected clients anywhere within the area. As the client moves, it automatically switches to the nearest AP-12 to maintain the wireless contact to the network.



And more

- It is possible to name the individual Access Point in the utility software
- Auto rate fallback function (11/5/2/1Mbps)
- RTS (Request To Send)/CTS (Clear To Send) threshold and Fragmentation threshold settings
- Management password function requires password to start up the utility software

SPECIFICATIONS

GENERAL

- Input Voltage : 7.5V DC \pm 5% (Use with supplied AC adapter)
- Current drain : Tx 400 mA typ. Rx 350 mA typ.
- Operating temperature range : 0°C to +55°C; +32°F to +131°F
- Dimensions : 100(W) \times 30.5(H) \times 70(D) mm;
(projections not included) 3⁵/₁₆(W) \times 1³/₁₆(H) \times 2³/₄(D) in
- Weight (approx.) : 90g; 3.2oz
- Compatible operating systems : Microsoft® Windows® Me/XP/98/2000 for utility software

WIRELESS SECTION

- Standard : IEEE 802.11b
- Data transfer rate : Auto (1/2/5.5/11Mbps)
- Antenna : Diversity antenna (Built-in, non-replaceable)
- Spreading system : Direct sequence spread-spectrum communication system
- Modulation : DPSK, DQPSK
- Frequency range : 2400–2483.5MHz (Varies depending on version)
- Number of channels : 13 (Varies depending on version)
- Output power : 100mW or less
- Security : 128/64-bit WEP, MAC address registration
- Sensitivity : -76dBm or better (@FER=Less than 8%)
- Communication distance : Indoors approx. 30m (98ft)
Outdoors approx. 70m (229ft)

WIRED SECTION

- LAN Interface : Ethernet plug (type RJ-45)
Based on IEEE802.3 (10 Base-T)
- Data transfer rate : 10Mbps

Supplied Accessories

- Ethernet cable (Patch; 3m)
- Ethernet cable (Cross-over; 1m)
- AC adapter
- CD-ROM (Utility software)

All stated specifications are subject to change without notice or obligation. Microsoft and Windows are registered trademarks of Microsoft Corporation in the U.S.A. and other countries.

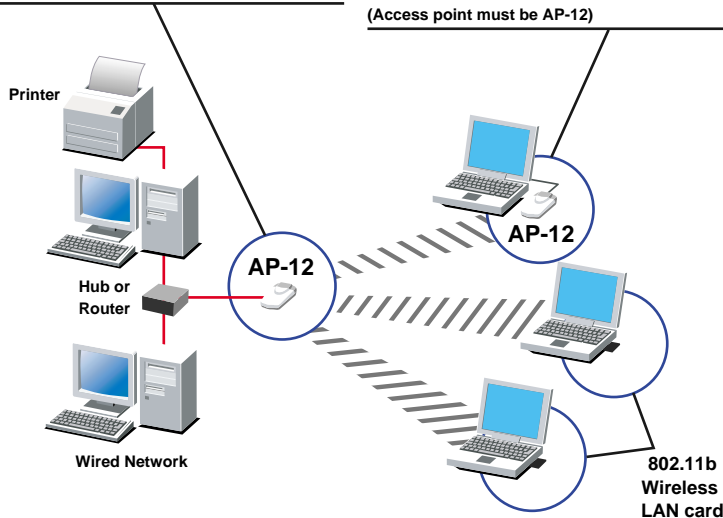
FUNCTIONS CHART

	Access Point Mode	Bridge Mode	Client Mode
Roaming	Yes	Not Possible	No
DHCP client	Yes	Yes	No
WEP key	Yes	Yes	Yes
MAC address security	Yes	Yes	No
ESS ID	Yes	No	Yes

SYSTEM OVERVIEW

Access Point Mode

Provides wireless access to a local area network and the Internet for connected clients.

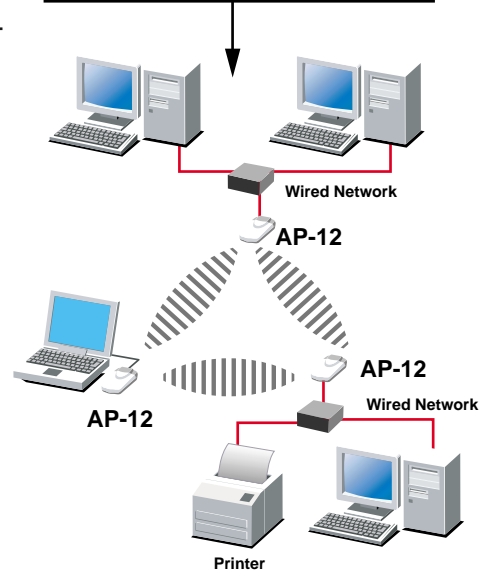


Client Mode

Allows use of the AP-12 as a wireless adapter by connecting to a PC or network with an Ethernet cable. (Access point must be AP-12)

Bridge Mode

Provides peer to peer wireless connection between two or more local area networks. (Bridge must be between AP-12s)



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