

# CONNECT2AIR WLAN AP-500RP AccessPoint

Low cost / high performance AccessPoint



The CONNECT2AIR AP-500RP AccessPoint is a cost-effective, fully featured wireless router that extends the range of wired Ethernet networks. The CONNECT2AIR AP-500RP delivers the freedom to expand and work more efficiently.

#### High Performance AccessPoint

The high performance CONNECT2AIR AP-500RP extends the range of your cabled Ethernet network and provides easy network access to mobile users. Difficult to wire locations are now easy accessible. Network management through the Web interface combined with SNMP makes it easy to embed the AP-500RP in a small office or home environment.

#### Multifunctional and with many features

The CONNECT2AIR WLAN AP-500RP is a multi-functional Broadband Wireless SOHO Router. It provides excellent all-in-one networking solutions to surf the Internet and share the office resources. Its efficiency boosting features will increase effectiveness and save cost in any working environment. It includes the following functions:

- **High speed wireless LAN connection:**  
11Mbit/s data rate by incorporating Direct Sequence Spread Spectrum (DSSS)
- **IEEE 802.11b compatible:**  
allowing interoperability among multiple vendors
- **64-bit or 128-bit WEP encryption**
- **10BaseT WAN interface:**  
to connect to DSL or Cable modem for broadband Internet access
- **2 port Fast Ethernet switch:**  
10/100 Mbit/s auto-sensing
- **Parallel printer port:**  
embedded printer server to allow all of the connected Devices (wireless or wired) to share a single printer
- **Asynchronous RS-232 serial port:**  
to connect an Analog or ISDN modem for Internet access
- **Built-in NAT function:**  
allow multiple PCs and devices to share one Internet connection
- **VPN support:** PPTP/IPSec pass-through
- **Built-in firewall** to protect your Intranet
- **Browser-based interface for configuration and management:**  
OS independent, easy-to-use for quick installation and management of your device
- **Multi language support:**  
Web Interface supports German, English, French, Italian and Spanish

**Standard features**

- Conform to IEEE 802.11 and IEEE 802.11b
- 64 / 128-bit key RC4 encryption
- MAC Address Control
- Web-based management
- Powerful performance for the most demanding network applications such as Radio Streaming
- Enhanced roaming across disparate locations and infrastructures
- Integrated DHCP Server
- Supported ISP connection types: PPPoE, PPTP, Dial-up via Analog/ISDN modem, fix or dynamic IP

**Interfaces**

- One RJ-45 port for 10Mbit/s Ethernet WAN connection
- Auto-sensing 2-port switch for 10/100Mbit/s Ethernet LAN connection
- One serial port for PSTN/ISDN dial-up connection and console configuration
- One DB-25 parallel port for printer server
- High speed wireless LAN (IEEE 802.11b DSSS)

**Environmental specifications**

	Temperature	Humidity
Operating	0°C to 50°C	95% (non condensing)
Storage	-10°C to 60°C	95% (non condensing)

Barometric pressure 740 hPa to 1050 hPa

**Hardware specifications**

Processor	RDC 8822
Memory	512Kbit DRAM 512Kbit Flash
LAN	2 x RJ-45 LAN / 10/100 Mbit/s auto-sensing
WAN	1 x RJ-45 WAN / 10 Mbps WAN
Printer port	1 x IEEE1284 DB-25 (parallel)
COM port	1 x DB-9 RS-232C (serial)

**Radio characteristics**

Frequency Range	2412 MHz to 2462 MHz (ISM)
Channel Frequencies	11 freely selectable channels
Antenna System	Diversity antenna
Bit Rate	11 Mbit/s, 5.5 Mbit/s, 2 Mbit/s, 1 Mbit/s (Automatic Rate Selection)

Output Power 16 dBm (max.)

Typical Range *	11 Mbit/s	1 Mbit/s
open environment	100 m	300 m
closed environment	35 m	100 m
Receiver sensitivity PER < 8%	-81 dBm	-92 dBm
Typical throughput (excluding headers, etc) using TCP/IP	5 Mbit/s	0.8 Mbit/s

\* Above listed throughput and range values are typical characteristics and depend on positioning of the Access Point, Clients and environmental influences and cannot be guaranteed.

**Additional features**

- Seamless roaming within the 802.11b WLAN infrastructure
- Provide 10Base-T WAN interface to connect with DSL or Cable modem for broadband Internet access
- Asynchronous port for backup routes when the broadband modem fails or is disconnected
- Built-in NAT function: allows multiple PCs and devices to share one Internet connection
- VPN support: PPTP / IPSec pass-through
- Built-in firewall to protect your Intranet
- Access limitation: allow or deny every single wireless device to access the WLAN or LAN
- Browser-based interface for configuration and management: OS independent, easy-to-use for quick installation and management of the device
- Easy to upgrade: using Web, Windows application, or FTP to upgrade new version of firmware
- Built-in printer server: dedicating a personal computer as print server is not needed
- Roaming: AP can be linked via LAN (Distribution system)

**Configuration and management**

Web-based Utilities  
TFTP support  
HTTP server for web-based management  
Multilanguage support: German, English, French, Italian and Spanish

**LED displays**

Power	Power Indication
M1	System Status AP-500RP
WAN	WAN port activity
WLAN	Wireless activity
Link/Act. (1, 2)	Link status of corresponding LAN port
10/100 (1, 2)	Data Rate of corresponding LAN port

**System requirements**

PC with 802.11b WLAN Card or network card

**Includes**

AP-500RP AccessPoint  
Power cord  
Quick Installation Guide  
External Power supply, Input 100/240 V AC, 50/60 Hz  
CD with software and documentation  
Cat. 5 patch cord

**Physical specifications**

Dimensions: 220 x 142.5 x 38 mm  
Weight: 510 g

**Supported Operating Systems**

*AccessPoint configuration:* Win 95, Win 98 (SE), Win ME, Win NT, Win 2000, Win XP, Linux, Macintosh  
*Printer Server SW:* Win 95, Win 98 (SE), Win ME, Win NT, Win 2000, Win XP

**Warranty**

2 years

**Order code**

S26391-F2515-L500

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