

Product Brief APTOS

Rev 1.0

1. Revision History

Rev. 1.0 (4/18/02) Initial Version

2. Introduction

APTOS is the successor of Actiontec's current 802.11b Access Point (Intersil design).

APTOS is based on the Reno-JR router. The hardware is identical with Reno-JR. Firmware will be adjusted to provide AP.

Objective is to equip APTOS with the same features as the current 802.11b Access Point to ensure a reasonably smooth product transition.

Objective is to release APTOS for customer shipments in May '02.

3. Features and Documentation

Goal is to leverage as much as possible from the current 802.11b AP documentation. Features in APTOS are identical with current 802.11b AP, except for a CD based utility to scan the network for existing AP's (will be available later). Only difference is look and feel.

APTOS will have setup web pages that are leveraged from Reno-JR. The following web pages will exist (draft spec):

- Settings
 - configure ESSID
 - configure Wireless Channel
 - select WEP

- WEP_1
 - configure 64-bit WEP

- WEP_2
 - configure 128-bit WEP

Access Control Lists

- view listing of clients
- accept all clients
- deny all clients
- delete clients from list
- add new clients to list

- IP Address
- select to obtain IP address dynamically (DHCP) or to specify it manually (static IP)
 - configure static IP, subnet and default gateway

APTOS shall have a user manual that is available electronically (on CD, together with USB drivers) and a printed quick start guide. The quick start guide shall describe how to connect the AP in default configuration (connect cables, no AP setup). The manual shall describe in more detail how the AP can be configured.

4. Technical Specifications

Interface:	10/100 Ethernet LAN USB 1.1
Data Rates:	11 Mbps 5.5 Mbps 2 Mbps 1 Mbps
Features:	Standard bridging Infrastructure Mode: BSS (DCF & PCF) DHCP Client SNMP agent Web server Roaming BPSK, QPSK, CCK modes
Standards Compliance:	IEEE 802.11b (2.4GHz - DSSS) Wi-Fi Certified
Security:	40 bit WEP 128 bit WEP Password protected Access Control Lists
Setup and Management:	Web interface
Visual Indicator:	Power, LAN link, Wireless traffic
Environmental:	Operating Temp: 0° C to 65° C

Storage Temp: -20° C to 85° C

Operating Humidity: 95%

Storage Humidity: 95%

Compliance Certification:

FCC Part 15, CE, UL

Package Contents:

11Mbps Wireless Access Point

Quick Start guide

Registration card

Ethernet cable

CD-ROM (USB drivers, user manual)

Operating Range:

Indoors

Up to 30 Meters (100 ft.) @ 11 Mbps

Up to 50 Meters (165 ft.) @ 5.5 Mbps

Up to 70 Meters (230 ft.) @ 2 Mbps

Up to 91 Meters (300 ft.) @ 1 Mbps

Outdoors

Up to 152 Meters (500 ft.) @ 11 Mbps

Up to 270 Meters (885 ft.) @ 5.5 Mbps

Up to 396 Meters (1300 ft.) @ 2 Mbps

Up to 457 Meters (1500 ft.) @ 1 Mbps