Software Specification

No.	Feature	Description	P380	P390
1.0				
1.01	IEEE 802.11b Access Point (AP) / AP Router mode	Web Configurable	Yes	Yes
1.02	Site Survey	Survey the channel usage and the corresponding AP a. Display the MAC address of the AP b. Display the SSID of the AP c. Display the channel used by the AP	Yes	Yes
1.03	Client Survey	Survey the clients who are connecting to this AP a. Client MAC address is displayed. b. Client Connection Time is displayed c. Client I/O Traffic Amount is Displayed d. The above information can be retrieved by SNMP GET command.	Yes	Yes
1.04	Auto Channel Selection	Support either manual setting or automatic channel selection. The AP will first do site survey and select a best channel according to the information collected and built-in channel selecting rules.	Yes	Yes
1.05	64/128 WEP Key		Yes	Yes
1.06	MAC Access Control List	Only the addresses shown on the list are allowed to get service from this AP	Yes	Yes

No.	Feature	Description	P380	P390
1.07	Load Balancing	Using IAPP to do load balancing between 2-3 access points. The client software have to support this features as well	No	Yes
1.08	Fast Handoff	Using IAPP	No	Yes
1.09	Accounting Hand off	Using IAPP	No	Yes
1.10	Performance Monitoring		Yes	Yes

No.	Feature	Description	P380	P390
2.0				
2.01	Static Route		Yes	Yes
2.02	NAT (IP Masquerading)	(RFC 1631) with port forwarding (inverse NAT) Services supported: FTP, ICMP, Telnet, TFTP, ICQ, Netmeeting, H.323, RTP	Yes	Yes
2.03	DHCP server		Yes	Yes
2.04	DHCP Relay Gateway		No	Yes
2.05	DHCP client	For WAN interface (switchable)	Yes	Yes
2.06	PPPoE client	PPPoE as link layer protocol for WAN interface	No	Yes
2.07	Layer 2 Isolation	Block Packet forwarding between wireless stations	No	Yes
2.08	DNS Redirection	DNS Redirection	No	Yes
2.09	Email Redirection	SMTP redirect	No	Yes
2.10	Station Supervision	Monitor station availability with ARP-Pings (non-ICMP), automatic log-off after adjustable timout	No	Yes

No.	Feature	Description	P380	P390
3.0				
3.01	Firewall	IP / Port / Protocol Filtering	Yes	Yes
3.02	VPN Client	a. Using PPTP Tunnel connecting to central VPN server b. MPPE Microsoft Point-to-Point Encryption (48/56/128 bit RC4 Encryption) c. MPPC Compression (what is the max. IP throughput with PPTP, one tunnel?)	No	Yes
3.03	IPSec pass-through	Transparent pass-through for IPsec sessions also when NAT	No	Yes
3.04	SSL for secure login	Secure log-on	Yes	Yes
3.05	ACL (Access Control List)	Access Control based on client MAC addresses	Yes	Yes
3.06	PPTP pass-through	Transparent pass-through for PPTP sessions also when NAT/UAT is enabled Unlimited no. of concurrent PPTP tunnels	No	Yes
3.07	Standard Re-Keying(802.11i)		No	Yes

No.	Feature	Description	P380	P390
4.0				
4.01	Homepage/ Welcome Page	Redirect user requests to a free defined "Welcome Page" URL or IP+directory	No	Yes
4.02	Start Page	Display customizable "Start Page" based on RADIUS-response message, URL or IP+directory	No	Yes
4.03	Log-on/Log-off Page	Log-on/Log-off Page	No	Yes
4.04	Help Page	Customizable Help Page, URL or IP+directory AND internal default-pages, Can be provided by RADIUS	No	Yes
4.05	Walled Garden	List of free services (IP no./URL, port nos.)	No	Yes
4.06	802.1x (EAPoL) - MD-5 Challenge	MD-5 authentication method	No	Yes
4.07	802.1x (EAPoL) - TLS	TLS authentication method	No	Yes
4.08	802.1x (EAPoL) - SIM	SIM authentication method	No	Yes
4.09	MAC authentication	Authenticate users based on MAC addresses	Yes	Yes
4.10	RADIUS AAA client	RADIUS client, supported attributes described in WISPr Best current Practices (latest version)	No	Yes
4.11	RADIUS EAP support	Support EAP-over-RADIUS Tested with Funk Software Odyssey RADIUS and MS IAS	No	Yes
4.12	Time	measure user online time ->	No	Yes

		accounting	Radius		
4.13	Volume accounting	measure user online volume -> Radius	No	Yes
4.14	Session timeout in s	Manage timeout provided by radius in seconds	No	Yes
4.15	Session timeout in byte	Manage timeout provided by radius in bytes	No	Yes
4.16	Manual log-off	Log-off users by command (e.g. SNMP, tftp)	No	Yes
4.17	Bandwidth Mgmt	Allow pre-defined bandwidth management, Radius support	No	Yes

No.	Feature	Description	P380	P390
5.0				
5.01	SNMPv1, incl. traps	SNMP read, write, traps	Yes	Yes
5.02	SNMPv2, incl. traps	SNMP read, write, traps	Yes	Yes
5.03	MIB-II	System, bridge, IP, Ethernet, RADIUS, 802.11 … ?	Yes	Yes
5.04	Gemtek Private MIB	Device auto-discovery	Yes	Yes
5.05	Performance Management	a. Tx / Rx amount per predefined intervals b. Threshold setting c. Threshold crossing alerting trap d. Client number threshold setting e. Client number threshold crossing alerting trap	Yes	Yes
5.06	Web management	HTML based	Yes	Yes
5.07	SSL for management	HTTPS (HTTP over SSL)	Yes	Yes
5.08	Telnet	Telnet for CLI	Yes	Yes
5.09	CLI	Cisco-style like	Yes	Yes
5.10	Syslog	For system and accounting messages via syslog protocol	No	Yes
5.11	Firmware upgrade via HTTP	Remote upgrade	Yes	Yes
5.12	Firmware upgrade TFTP or FTP	Remote upgrade	Yes	Yes
5.13	Management Access Control	Set management access rights (read, write) - per user, - per IP no.	No	Yes

		- per interface		
5.14	Self-test on boot	Integrity check during start-up Recovery concept on failure	No	Yes
5.15	Clock, manual	Manual set of internal clock	No	Yes
5.16	Clock, NTP	Get time/date by NTP	No	Yes
5.15	System Status	Time, IP, Firewall, DHCP status	Yes	Yes
5.16	Interfaces / Services Status		Yes	Yes
5.17	Network Statistics		Yes	Yes
5.18	Software Reset		Yes	Yes
5.19	Soft Reboot		Yes	Yes