M4.5510H

Single Radio 2.4, 5.3, 5.4 & 5.8GHz

High Speed Wireless LAN Access Point:

- Up to 108 Mbps with Super A/G
- Easy installation away from power points via Power-over-Ethernet
- Simultaneous configuration, managing and monitoring of many access points
- Secure Wireless LAN using authentication after IEEE 802.11i / WPA
- Directly connecting to DSL lines using the integrated DSL router including
- Hot Spot support
- Multi SSID, VLAN and QoS

High Speed Wireless

The M4.5510H offers professional access point technology and a maximum of WLAN performance based on WiFi™- certified radio technology.

With its integrated 108 Mbps radio module supporting the WLAN standards IEEE 802.11a (L-54ag) or IEEE 802.11b/g the M4.5510H works at 2.4 or 5 GHz frequency band.

Whether it is used in infrastructure-networks or for interconnecting networks in WLAN bridge mode, the vast possibilities of the M4.5510H will not reach a limit.

Secure

Talking about security, the M4.5510H is state of the art: WEP128 and WEP152 encryption as well as the Stateful- Inspection firewall in DSL router mode will protect the network reliably.

Furthermore, the M4.5510H working with access control lists, authentication after IEEE 802.1x and as RADIUS client assures the control and protection of your Wireless LAN.

Management and supervision of these security features are made easy and comfortable with the help of LANtools LANconfig/LANmonitor).

Professional

The M4.5510H offers extensive and flexible management – possibilities as being recommended in professional surroundings:

LANconfig and WEBconfigwill make the installation and maintenance of RADIUS, SNMP, syslog and TFTP of the M4.5510H even in extended installations easy to use and comfortable.

Trend setting is the implemented Powerover- LAN standard. Using this alternative power supply via the network cable, a comfortable and independent installation of the access point is made possible.

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M4.5510H

SPECIFICATIONS

Frequency range	2400 - 2483.5 MHz (ISM) or 5150 - 5750 MHz	
Standards	L-54ag: IEEE 802.11a or IEEE 802.11g / IEEE 802.11b L-54g: IEEE 802.11g/b, 802.11a: fully compliant to ETSI requirements using TPC and DFS.	
Transfer rates *	Up to 108 Mbps after IEEE 802.11a (fallback to 48, 36 , 24, 18, 12, 9, 6 Mbps, automatic rate selection), or up to 108 Mbps after IEEE 802.11g (fallback to 48, 36 , 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps, Automatic Rate Selection) compatible to IEEE 802.11b, 802.11 b/g compatibility mode or pure g or pure b selectable, Super A/G, bursting and hardware data compression	
Transmission range *	Up to 150 m (up to 30 m indoor)	
Transmission power	Up to 17 dBm at 2.4 GHz, up to 18 dBm at 5 GHz	
Radio Channels	Up to 19 non overlapping channels (5 Ghz range), or up to 14 channels (2.4 GHz range), while 3 of them are non overlapping	
Roaming	seamless handover, IAPP support, IEEE 802.11d support	
Multi SSID	parallel 8 independent WLAN networks	
Operating Modes	WLAN access point	up to 255 clients
	WLAN bridge	Point to multipoint networking of up to 7 Ethernet LANs (mixed operation possible), broken link detection, blind mode, up to 32 VLAN connections for WLAN
	WAN router	Use of the LAN connector for simultaneous DSL-over-LAN, IP router, NAT/reverse NAT IP masquerading) DHCP server, DHCP client, DHCP- relay server, DNS server, PPPoE client (incl. Multi-PPPoE), PPTP-Client and -Server, NetBIOS-Proxy, DynDNS client, NTP, Policy-based routing based on routing tags, tagging with firewall rules, dynamic routing with RIPv2
	WLAN client	Transparent WLAN client mode for connecting printers or PCs by Ethernet
Security	WLAN	IEEE 802.11i / WPA2 with passphrase or 802.1x and hardware encrypted AES, Closed network, WEP64, WEP128, WEP152, LEPS, access control listen, RADIUS client,user authentication, 802.1x / EAP
	Router, LAN	Stateful inspection firewall, IP masquerading, (NAT/PAT), inverse masquerading, packet filtering, login rejection, URL- blocking, denial of service protection, i ntrusion detection, QoS with VLAN priority for VoIP and VoWLAN
Management	LANtools (professional management software for Windows) incl. group configuration and WLANmonitor, WEBconfigc (HTTP / HTTPS), Telnet, Telnet/SSL, SSH, TFTP, SNMP (MIB II, 802.11, 802.1D, 802.3, Private MIB), RADIUS, Syslog, CRON service (scheduled events), individual access control for up to 16 administrators TFTP Client and Server with variable file names (name, MAC/IP address, serial number), scripting function for batch programming of all command line parameters and for transfer of configuration files over different software versions and devices incl. test mode for changing of different parameters	
Connectors	LAN	10/100Base-TX, Autosensing, node/hub switch
	Configuration	Serial V.24/RS-232 outband interface with Mini-DIN8, optional for analog, GPRS modem backup
	Power feeding	12V AC via external power supply, or power over Ethernet after IEEE 802.3af
Antenna connectors	Two 3 dBi dipol dual band antennas (included). Two reverse SMA connectors for external AirLancer Extender antennas or for antennas of other vendors. Please respect the restrictions given in your country when setting up an antenna system. Please call us on 020 8280 8080 for help with calculating the correct antenna setup.	
Housing	210 mm x 143 mm x 45 mm (B x H x T), robust plastic housing, stackable, prepared for wall mounting	
Conformity	CE conformity after EN 300 328, EN 301 893, EN 55022, EN 55011, EN 50081	
Certifications	Radio certification for all countries of EU and Switzerland, certification for IEEE 802.11a following RegTP requirements in Germany. Radiomodule based on WiFi™ certified technology	
Environment / temperature	–10 °C until +55 °C at 95 % max. humidity (non condensing)	
Extend of supply	LAN cable (CAT.5, STP, 3 m), serial cable for outband interface, external power supply (12V AC, 1,2 A), printed manual (German, English), software CD	
Service	Warranty	3 years
	Support	Via hotline and Internet
Options	Public Spot Option (authentication and accounting software for Hotspots) *) The effective distance and transmission rate that can be achieved are depending of the given building conditions.	

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