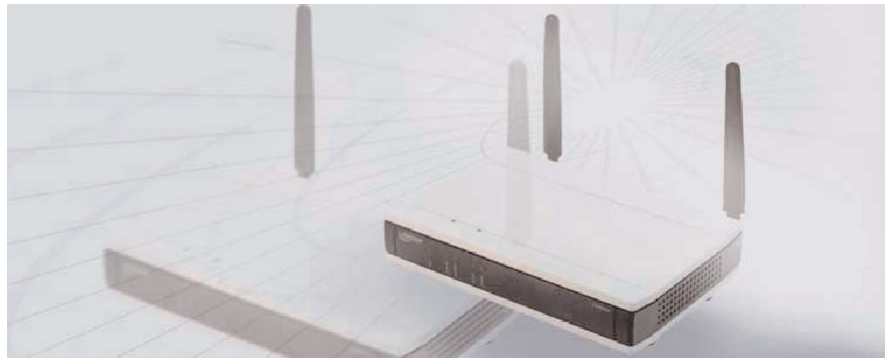


## WS/54ag Wireless Access Point



### High Speed Wireless LAN Access Points

- 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

#### Highspeed Wireless LAN.

The LANCOM L-54 Wireless offer 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 LANCOM L-54 Wireless 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 LANCOM L-54 Wireless will not reach a limit.

#### Secure.

Talking about security, the LANCOM L-54 Wireless 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 LANCOM L-54 Wireless 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 LANCOM L-54 Wireless offers extensive and flexible management – possibilities as being recommended in professional surroundings:

LANconfig and WEBconfig will make the installation and maintenance of RADIUS, SNMP, syslog and TFTP of the LANCOM L-54 Wireless 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.

# Wireless & Security

## WS/54ag SPECIFICATIONS

<b>Frequency range</b>	2400 - 2483.5 MHz (ISM) or 5150 - 5750 MHz	
<b>Standards</b>	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.	
<b>Transfer rates *</b>	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	
<b>Transmission range *</b>	Up to 150 m (up to 30 m indoor)	
<b>Transmission power</b>	Up to 17 dBm at 2.4 GHz, up to 18 dBm at 5 GHz	
<b>Radio Channels</b>	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	
<b>Roaming</b>	seamless handover, IAPP support, IEEE 802.11d support	
<b>Multi SSID</b>	parallel 8 independent WLAN networks	
<b>Operating Modes</b>	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
<b>Security</b>	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, intrusion detection, QoS with VLAN priority for VoIP and VoWLAN
<b>Management</b>	LANtools (professional management software for Windows) incl. group configuration and WLANmonitor, WEBconfig (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	
<b>Connectors</b>	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
<b>Antenna connectors</b>	Two 3 dBi dipol dual band antennas (included). Two reverse SMA connectors for external LANCOM AirLancer Extender antennas or for antennas of other vendors. Please respect the restrictions given in your country when setting up an antenna system. For help with calculating the correct antenna setup, please refer to <a href="http://www.lancom.de">www.lancom.de</a>	
<b>Housing</b>	210 mm x 143 mm x 45 mm (B x H x T), robust plastic housing, stackable, prepared for wall mounting	
<b>Conformity</b>	CE conformity after EN 300 328, EN 301 893, EN 55022, EN 55011, EN 50081	
<b>Certifications</b>	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	
<b>Environment / temperature</b>	-10 °C until +55 °C at 95 % max. humidity (non condensing)	
<b>Extend of supply</b>	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	
<b>Service</b>	Warranty	3 years
	Support	Via hotline and Internet
<b>Options</b>	LANCOM Public Spot Option (authentication and accounting software for Hotspots)	Item no.: 60642
	LANCOM Service Option (24h product replacement, 4 years warranty)**	Item no.: 61401

\*) The effective distance and transmission rate that can be achieved are depending of the given building conditions.

\*\*\*) This option is only available in Germany.