

# WS/3550

## Wireless Access Point



### Simultaneous Dualband 108 Mbps High End Wireless LAN Access Point

Second WLAN interface offers upgrade to additional independent wireless network

- Access Point for IEEE 802.11a, IEEE 802.11g, IEEE 802.11b Standard
- Optional LANCOM UMTS/VPN
- MultiSSID, VLAN and QoS
- All-inclusive security parallel at all interfaces with optionally integrated VPN Gateway and IPSec over WLAN
- Stateful Inspection Firewall and bandwidth management
- Easy installation away from power-points via Power-over-Ethernet

#### High End.

The LANCOM 3550 Wireless offers professional Access-Point technology and a maximum of WLAN performance and protection of investment by its extremely various range of application. With its integrated 54 Mbps radio module supporting the WLAN standards IEEE 802.11a or IEEE 802.11b/g the LANCOM 3550 Wireless works at 2.4 or 5 GHz frequency band. Using the second cardbus interface, up to two simultaneous and independent wireless networks can be supported even in different frequency ranges. This can double the transmission capacity. At 5 GHz, the LANCOM 3550 Wireless reaches with the Europe-wide certified Turbo-Mode a wireless transfer rate up to 108 Mbps..

#### Professional.

Trend-setting is the implemented Power-over- LAN standard. Using this alternative power supply via the network cable, a comfortable and independent installation of the Access- Point is made possible. The LANCOM 3550 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 3550 Wireless even in extended installations easy-to-use and comfortable.

#### Secure.

Talking about security, the LANCOM 3550 Wireless is state of the art: Authentication after IEEE 802.1x, optional IPSec VPN as well as WEP128/152 and a Stateful-Inspection-Firewall protect the network from external attacks in a reliable way.

For mobile cross-linking of Notebooks and Desktop-PCs LANCOM Systems offers in the product portfolio adequate 54 Mbps AirLancer Wireless Client Adapter – in PC-Card and PCI versions – as well as AirLancer Extender- Antennas for the Indoor and Outdoor use also supporting the 5 GHz band.

# Wireless & Security

## WS/3550 SPECIFICATIONS

<b>Frequency range</b>	2400 - 2483.5 MHz (ISM) or 5150 - 5750 MHz	
<b>Standards</b>	Up to 54 Mbps, IEEE 802.11a with TPC and DFS or IEEE 802.11g / IEEE 802.11b	
<b>Transfer rates *</b>	Up to 54 Mbps after IEEE 802.11a (Fallback to 48, 36, 24, 18, 12, 9, 6 Mbps, automatic rate selection), or up to 54 Mbps after IEEE 802.11g (Fallback auf 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps, automatic rate selection) compatible to IEEE 802.11b, or up to 108 Mbps Turbo Mode, Super A/G support with Bursting and Compression 802.11 b/g compatibility mode or pure g or pure b selectable	
<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 16 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>Operating Modes</b>	WLAN access point WLAN bridge  WAN-Router   WLAN client VLAN	up to 255 Clients Point to multipoint networking of up to 7 Ethernet-LANs (mixed operation possible, broken link detection, blind mode, Multi SSID with 8 WLAN networks 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, NetBIOS proxy, DynDNS client, NTP, port mapping, Policy-based routing based on routing tags, tagging with firewall rules, dynamic routing with RIPv2 Transparent WLAN client Mode for connecting printers or PCs by Ethernet with up to 4094 VLAN IDs for WLAN connections. 32 simultaneous prioritized VLANs
<b>Security</b>	WLAN  Router, LAN	IEEE 802.11i / WPA2 with passphrase or 802.1x and hardware encrypted AES, IPsec-over-WLAN optional to encrypt the wireless connection Closed Network, WEP64, WEP128, WEP152, LEPS, access control lists, RADIUS client, user authentication, 802.1x / EAP Stateful-Inspection Firewall, IP-Masquerading, (NAT/PAT), inverse masquerading, packet filtering, login rejection, URL blocking, denial of service protection, intrusion detection, N : N mapping, QoS with VLAN priority for VoIP and VoWLAN, control from up to 8 redundant VPN gateways for high availability and load balancing,
<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, individual access for up to 16 administrators, TFTP Client and Server with variable file names (name, MAC/IP address, s 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 WAN WLAN  Power Supply	10/100Base-TX, autosensing, node hub switch 10/100Base-TX, autosensing 32-bit-Cardbus-interface for inserting an optional second wireless client adapter PC card 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, EN 60950, ES 59005	
<b>Certifications</b>	Notified in Germany, Benelux, Austria, Switzerland, UK	
<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), WAN cable (CAT.5, STP, 3 m), external power supply (12V AC, 1,2 A) printed documentation (German, English), Software CD	
<b>Options</b>	LANCOM Public Spot Option (authentication and accounting software for Hotspots) LANCOM UMTS/VPN Option LANCOM VPN Option 25 channel (Maximum one simultaneous connection, 50 connections configurable) for VPN at WAN or IPsec-over-WLAN	Item no. 60642 Item no. 61410 Item no. 60083
<b>Service</b>	Warranty Support	3 years Via hotline and Internet
<b>Options</b>	Optional second wireless client adapter out of the LANCOM AirLancer series Service option (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