

WS/C-54g Wireless

Wireless Access Point



Wireless LAN client for broadband WLAN connection

- Broadband via WLAN – even in areas without DSL coverage
- Up to 108-Mbps data transfer speeds
- No-problems installation even away from power-supply points via Power over Ethernet
- Secure wireless LAN with IEEE 802.11i / WPA2 authentication
- Extensive portfolio of custom antennas*

Professional WLAN client.

The LANCOM C-54g Wireless LAN client is the perfect supplement to wireless LAN base stations from LANCOM. The LANCOM C-54g client can be operated as a terminal for a wireless bridge, which can be used, for example, to supply a building with Internet access over a wireless LAN link. It functions as a transparent WLAN-to-Ethernet translator for indoor and outdoor wireless bridges. The LANCOM C-54g is a fully functional router and firewall at the same time. Rollout and operation are handled by suitable largescale management systems..

Secure in any situation.

The LANCOM C-54g is equipped with the full range of security features necessary for the public provision of broadband connections over WLAN. The WLAN can be secured by 802.11i or WPA2. This device functions as a LEPS client and as a firewall with masking and intrusion detection for devices in the LAN. Using the LANCOM C-54g as a wireless LAN Internet bridge offers a level of security that is equivalent to that of a cable or DSL connection. And with the aid of WLAN QoS, it is also possible to transmit VoIP voice data securely and in parallel.

High performance and reliable.

The LANCOM C-54g offers WLAN bandwidths of up to 108 Mbps in the 2.4-GHz band (with 802.11g). Bursting and compression technologies lead to significant increases in the effective data rate. The integrated concept for the security of operations along with the software "Made in Germany" guarantee trouble-free continuous operation around the clock. LANCOM Systems offers a comprehensive range of professional indoor and outdoor antennas for bridging distances of up to several kilometers to the next base station..

*) Unlike the illustration, the C-54g is not supplied with an antenna

Wireless & Security

WS/C-54g SPECIFICATIONS

Frequency range	2400 - 2483.5 MHz (ISM)		
Standards	IEEE 802.11g / IEEE 802.11b		
Transfer rates *	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		
Radio Channels	Up to 14 channels, while 3 of them are non overlapping		
Operating Modes	LAN Router	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, Port Mapping	
	WLAN Client	Transparent WLAN client mode for connecting printers or PCs by Ethernet, up to 32 VLANs parallel for WLAN connections	
Security	WLAN	IEEE 802.11i / WPA2 with passphrase or 802.1x and hardware encrypted AES, Closed network, WEP64, WEP128, WEP152, LEPS	
	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	
Management	WEBconfig (HTTP / HTTPS), Telnet, Telnet/SSL, SSH, TFTP, SNMP (MIB II, 802.11, 802.1D, 802.3, Private MIB), RADIUS, Syslog, individual access control for up to 16 administrators, CRON service (Scheduled Events)		
Connectors	LAN	10/100Base-TX, Autosensing	
	COM	Serial V.24/RS-232 outband interface with Mini-DIN8	
	Power feeding	12V AC via external power supply, or power over Ethernet after IEEE 802.3af	
Antenna connectors	One 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 www.lancom.de		
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 ETS 300 328, ETS 300 826, EN 55022, EN 55024, EN 60950		
Certifications	Radio certification for Germany, Belgium, Netherlands, Luxembourg, Austria, Switzerland, Great Britain, Italy, Malta		
Environment / temperature	-0 °C until +50 °C at 95 % max. humidity (non condensing)		
Extend of supply	This article is offered exclusively as 10er Bulk version, contains 10 LANCOM C-54g Wireless incl. extern power supply (12V AC, 1.2 A), ever 1 serial cable for outband serial, it contains no WLAN antenna (see accessories)		
Service	Warranty	3 years	
	Support	Via hotline and Internet	
Optional Outdoor Antennas and Accessories	AirLancer Extender O-30	2.4 GHz Outdoor antenna	Item no. 60478
	AirLancer Extender O-70	2.4 GHz Outdoor antenna	Item no. 60469
	AirLancer Extender O-18a	5 GHz Outdoor antenna	Item no. 61210
	AirLancer Extender O-D80g	2.4 GHz Polarization diversity outdoor antenna	Item no. 61221
	AirLancer Extender O-D60a	5 GHz Polarization diversity outdoor antenne	Item no. 61222
	AirLancer Extender O-360ag	Dual-band omnidirectional outdoor antenna	Item no. 61223
	AirLancer Cable NJ-NP 3m	antenna cable extension	Item no. 61230
	AirLancer Cable NJ-NP 6m	antenna cable extension	Item no. 61231
	AirLancer Cable NJ-NP 9m	antenna cable extension	Item no. 61232
	AirLancer Extender SA-5	Lightning protector (2.4 und 5 GHz)	Item no. 61212
	AirLancer Extender SA-LAN	Lightning protector LAN cable	Item no. 61212
Item no.	61129		

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