

## funkwerk W500

---

Availability: Begin of July 2008

### W500

The funkwerk W500 is the entry model for small companies and home offices and enable the user to set up a simple and cost optimized secure wireless network access. The unit supports the 802.11g standard with 54Mbps. The WPA-/WPA2 security Mode ensures for security at highest level for private and business applications.

The Funkwerk W500 works as Access Point and can also operate as Wifi-Client. In Wifi-Client operation any device there has a Ethernet port can be connect to the wireless network. Nevertheless the W500 can operate as a repeater or can be used to set up Bridge Links. The smoothly integration in the LAN the 10/100 Base-T-interface supports crossover (Auto-MDI/MDI-X). The binding from Wifi clients to the W500 is very simple and cost only a few seconds when the Wifi client supports also WPS.

With the 5dBi omni-directional antenna there come with the W500 you already achieved excellent coverage. The detachable antenna can be replaced by an external high gain beam antenna to improve the coverage for point to point connections.

The funkwerk W500 is made for customers there not accept compromises in security, stability or functionality for low budget units.



## Wireless LAN

Feature	Description
Operation mode	Selectable: Access Point, Wireless Client (Ethernet Adapter), AP+Repeater (WDS), Bridge
Standards	802.11g,b
Frequency	2,412 to 2,472 GHz
Channels	1 - 13
Data rates	Modulation: 11, 5,5, 2 und 1 Mbps (DSSS); 54, 48, 36, 24, 18, 12, 9 and 6 Mbps (OFDM)
Transfer rate	Automatic fallback or selectable transfer rate
Super-G Mode	Support the Atheros Super-G Mode (108Mbps) together with a compatible client (i.e. funkwerk W-Client USB.11abg)
Transmit power	Maximum 14dB + 5dB antenna gain; Selectable in 5 steps
Receiver Sensitivity	802.11g 54Mbps = -65dBm; 802.11b 11Mbps = -80dBm
Modulation	802.11g (OFDM) 64QAM, 16QAM, QPSK, BPSK; 802.11b (DSSS) CCK,DQPSK, DBPSB
Antenna	5dBi omni-directional antenna, detachable; At the unit is a RSMA connector (male)
Wireless Distribution System (WDS)	Supported; Security: WEP, WPA, WPA-2
Automatic Rate Selection (ARS)	Supported
Wireless Protected Setup (WPS)	Pin Client, Pin AP, Push-Button Method
WMM (Wi-Fi Multimedia)	Supported
Maximum number of Client	1 - 32

## Maintenance and Service

Feature	Description
GUI	Web-GUI in German and English language
Compoint Manager Support	yes
WMS Support	The W500 is not supported by WiLMA
Statistic	Log file; Statistics of all relevant packet types; List of all associated Wifi clients

## Hardware Features

Feature	Description
LAN Interface	10/100Base-T Ethernet, Full duplex with Auto MDI/MDIX support; fixed IP Address or DHCP Client
Power supply	12V/1A DC via wall adapter
Power supply unit	Wide range switched powered wall adapter 100-240V AC 50/60Hz
Power consumption	3,5 Watt
Reset Button	Set the device to back factory settings
LEDs	Operation, LAN Link, Wifi active, WPS
Dimensions	110 x 125 x 30 mm (length x wide x height)
Wall mounting	Include
Environment - Operation	0-50° C max.90% humidity (not condensing)
Environment - Storage	-10-65° C 5-95% humidity
Certification	R&TTE Directive 1999/5/EG; EN 60950-1; EN 300 328 V1.6.1; ETSI EN 301 489-1 V1.5.1; ETSI EN 301 489-1/17 V1.2.1; EN 50371

## Security

Feature	Description
Standards	WEP (64,128,154bit), WPA, WPA2, 802.1x
Network Name (SSID)	Changeable and visibility on/off
Access Control List (ACL)	Up to 32 MAC Addresses as White List or as Black List
Intercell Repeating	On/off (Allow or disallow the communication between associated Wifi client)
WLAN on/off	Supported