

WS/800+ Router/Firewall with ISDN



ISDN IP router

- Dial Backup, Remote Access and Remote Maintenance
- Stateful Inspection Firewall and QoS Bandwidth Management
- Integrated ISDN and CAPI Server

This router serves not only for professional Internet access but also as a gateway for office applications such as fax and other CAPI applications. Installation and management of LANCOM 800+ is especially easy and user-friendly. You can configure the router either with a standard web browser or the Windows software LANconfig. Setup wizards will lead you through the installation within minutes.

Office Communication included.

The device offers remote management, dial-in (RAS) and dial-backup services. Additionally, the ISDN LANCAPI provides Fax and Eurofile transfer for all connected workstations. Thanks to bandwidth management and individually separatable switch ports, your office is well-prepare for VoIP and server operation.

Powerful – with Security.

Its professional characteristics is determined by a state of the art Firewall with Stateful Inspection, Intrusion Detection and Denial of Service protection, detailed Accounting and Monitoring functions, as well as scheduled Access Control for all workstations. High Availability can be ensured by analog or GSM/GRPS modem or further broadband lines.

Easy Configuration – anytime.

Comfortable installation wizards with preset forms for almost all access provider ensure a quick self-installation. The provided toolset, LANconfig and LANmonitor, allow professional management and monitoring of all relevant parameters and device states. Larger installations are supported with rollout mechanisms and features like multiple administrative accounts.

Wireless & Security

WS/800+ SPECIFICATIONS

Modes	Multi protocol router	IP , IPX and NetBIOS/IP router, HTTPS server (WEBconfig), DNS client, DNS server, DNS relay, DHCP client, DHCP relay and DHCP server incl. autodetection, Dynamic DNS client, NTP client, SNTP server, Policy-based routing based on routing tags, tagging with firewall rules, dynamic routing with RIPv2
Interfaces	LAN	4 x Ethernet IEEE 802.3, 10/100Base-T (RJ 45, auto-crossover), auto sensing, full duplex. LAN ports are individually separatable, e.g. for distinct DMZ or additional WAN interfaces
	WAN COM / Serial	ISDN S0 bus, point-to- point and point-to-multipoint configuration, I.430 V.24 / V.28 Port (mini DIN) for out-of-band configuration, optional for ext.modem
Firewall	Stateful inspection, IP packet filter with port ranges. Policy-based routing, triggering for bandwidth management accomplished by Firewall rules, very detailed settings and alarm functions possible	
Quality of Service	IP traffic shaping/limiting with dynamic, absolute or per connection transfer limits or guaranteed minimum bandwidths, assignable to arbitrary applications, e.g. VoIP. Adjustable up/downlink speeds, TOS or DiffServ priority queuing.	
Security	Intrusion detection (IP spoofing, login attempt, port scans), denial of service protection (fragmentation error, SYNflooding, automatic closing of ports/connections). DNS hitlist as well as wild card filter (URL blocking). High availability with dial backup for Internet access or VPN connections. Email alerting, SNMP traps, LED signals and SYSLOG. PAP, CHAP and MS-CHAP as PPP authentication, password-protected configuration remote access per interface, access control list (IP, MAC and protocol filter) for configuration access and LANCAPi, ISDN remote access list. FirmSafe with two firmware versions for absolute secure software upgrades, thief protection with ISDN local verification	
Protocols	IP:	ARP, Proxy ARP, IP, ICMP, UDP, TCP, TFTP client & server, RIP-1 , RIP-2, DHCP, DNS, SNMP, HTTP, HTTPS, BOOTP, NTP, NetBIOS, RADIUS, LANCAPi
	IPX:	RIP, SAP, IPX and SPX watchdogs, NetBIOS watchdogs
	ISDN D channel:	1TR6, DSS1 (Euro ISDN), autosensing
	ISDN B channel:	PPP (asynchronous/synchronous), X.75, HDLC, MLPPP for channel bundling, V.110/GSM/HSCSD, CAPI 2.0 over LANCAPi, stac data compression
IP masquerading (NAT/PAT)	IP address and port translation over a single IP address, static/dynamic IP address assignment, masquerading of TCP, UDP, ICMP, FTP, H.323, PPTP and IPsec (VPN pass-through). Inverse masquerading for IP services from the Intranet (exposed host). Port mapping, N:N address mapping, 2 distinct local area IP networks, each with or without NAT	
Management	Outband	Command line interface, serial V.24/V.28 port (8-pin mini DIN)
	Inband	LANconfig incl. setup wizards for Internet access, security, firewall, remote access and LAN-LAN coupling; LANmonitor status display; remote maintenance via ISDN or mo dem; RADIUS user management for dial-in ISDN CLIP); Telnet, Telnet/SSL, browser (HTTP/HTTPS), SSH and TFTP configuration as well as firmware upload; SNMP management via SNMP V2, WAN or LAN access separately activatable; simultaneous remote configuration and management of multiple devices with LANconfig, supervisor alarms via SNMP traps, SYSLOG and eMail; scheduled events of all paramters and actions (e.g. firewall filter or connections) via CRON service, individual access rights for up to 16 administrators, internal SYSLOG history. 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
	Tools	LANconfig (Windows configuration program), LANmonitor (Windows status display), WEBconfig (integrated secure web server)
Hardware	Power adapter	12 VA, external power adapter (230 V)
	Environment Housing Approvals	Temperature 5–40 °C; humidity 0–80 %; non-condensing 158 x 40 x 135 mm (B x H x T), stable metal casing, ports on the back EU (CE certification: EN 55022, EN 55024, EN 60950)
Package contents	CD, printed manual Hardware	English, German. Quick Installation Guide in English, French and German Power adapter, cable for serial interface, ISDN cable, two LAN twisted-pai cables, printed documentation and LANCOM CD
	Software	LANconfig, LANmonitor, Firmware, CAPI Fax modem, LANCAPi
Service	Warranty	3 years
	Support Software updates	Via hotline and Internet Regular LCOS and LANtools updates, free of charge via Internet
Item no.	61133	LANCOM 800+ (EU power supply)
Options	61500	LANCOM Modem Adapter Kit (for external analog or GSM/GPRS modem via COM port)
	00789	LANCOM ISDN Leased Line Option
	61401	LANCOM Service Option (24h replacement, 4 years warranty) - within Germany only!
Accessories	61700	LANCOM LCOS Reference Manual (German edition)