

SurfinBird IX78 Broadband Access Router with Firewall and ADSL Modem

Features	Note	SurfinBird IX78 ADSL	SurfinBird IX78 ADSL GW2	SurfinBird IX78 ADSL AIR	SurfinBird IX78 ADSL AIR GW2
ADSL					
ADSL full rate (G992.1/T1.413) and extended reach		X	X	X	X
ADSL 2+ (G992.3, G992.5)		X	X	X	X
Annex M (extended upstream speed)		X	X	X	X
Annex A / Annex B / Annex C*		X	X	X	X
Access Router					
NAT/PAT		X	X	X	X
DHCP Server / Client		X	X	X	X
Local DNS Server		X	X	X	X
Dynamic DNS Client		X	X	X	X
LAN Support - Separate Ethernet Subnets		X	X	X	X
Additional Public IP Addresses on LAN		X	X	X	X
DMZ		X	X	X	X
Ethernet Ports		5	5	5	5
USB Host Port		1	1	1	1
PPPoE, PPPoA		X	X	X	X
RIP1, RIP2		X	X	X	X
Multiple ADSL WAN PVCs with QoS Routing		Up to 8	Up to 8	Up to 8	Up to 8
RTSP Proxy (e.g. for Video-on-Demand)		X	X	X	X
Multicast Support with IGMP Proxy and Unicast Conversion (for IPTV)		X	X	X	X
Multiple Ethernet WAN VLANs 802.1p/q with QoS Routing		Up to 8	Up to 8	Up to 8	Up to 8
Throughput (WAN ↔ LAN through firewall)		Up to 90 Mbps	Up to 90 Mbps	Up to 90 Mbps	Up to 90 Mbps
Firewall					
Router-based		X	X	X	X
Packet Filtering		X	X	X	X
Stateful Inspection		X	X	X	X
Proxy Firewall		X	X	X	X
Game and Application Support		X	X	X	X
Selectable Firewall Security Levels	IX	X	X	X	X
Port and IP Redirections		X	X	X	X
Manual Firewall Rule Edit	IX	X	X	X	X
VPN Pass Through (multiple clients): SSH, PPTP, IPSec ESP Tunneling Mode, IPSec NAT-T (IPSec over UDP)		X	X	X	X
VPN Server & Client (upgrade package)					
Protocol:	IPSec	U	U	U	U
Crypto:	DES, 3DES, AES Hardware accelerated Diffie-Hellman: group 1, 2 and 5	U	U	U	U
Identification:	X.509 Certificate, Pre-shared key	U	U	U	U
Authentication:	RSA, DSS	U	U	U	U
RSA Key Length:	2048, 1024, 512	U	U	U	U
Authentication Methods:	HMAC with MD5, HMAC with SHA-1	U	U	U	U
Max. Number of Simultaneous Live Connections		20	20	20	20
VPN Server & Client Configuration:					
EasyServer - Create a Complete VPN Server with One Click	IX	U	U	U	U
EasyClient - Connect to Common VPN Servers Easily					
Creation of Client Certificates	IX	U	U	U	U
Wireless					
IEEE 54Mb/s 802.11b/g Access Point				X	X
MAC Address Filtering				X	X
WEP 64 and 128 bits / WPA / WPA2 Encryption, 802.11i				X	X
WiFi Protected Setup				X	X
Antenna:				1 Fixed,1 Inter.	1 Fixed,1 Inter.
Status and Logging					
Network Status	IX	X	X	X	X
Logging: System Log, Firewall Log, SIP Log, VPN Log		X	X	X	X
Export to External Syslog Server		X	X	X	X
Quality of Service (QoS) for VoIP					
Tag Traffic for Prioritization of SIP Media Streams in Subsequent Network Equipment (DiffServ and TOS)	IX	X	X	X	X
Prioritization of SIP Media Streams (Automatic)		X	X	X	X
Call Admission Control for SIP	IX	X	X	X	X
Reduces data traffic upstream to allow SIP voice and video		X	X	X	X

X = Standard feature
 IX = Intertex specific feature, not found in mainstream routers
 U = Upgradeable Feature

Subject to change without notice.

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SIP Support (IP Telephony (VoIP), Video, Presence, Instant Messaging and more)					
True SIP Transparent Firewall (between LAN and the Internet) (NAT and Firewall controlled by SIP Proxy and registrar)	IX	X	X	X	X
Common SPAM/SPIT Control (blacklist, whitelist, authentication)	IX	X	X	X	X
Simultaneous global SIP calls (Extended by session licenses)	IX	3-U	3-U	3-U	3-U
SIP Trunking (Connecting IP-PBXs to supported SIP Trunk Providers)					
B2BUA Capable Registrations and Authentication (separate on Trunk and PBX side)	IX	U	U	U	U
Interoperability and architectural support for most IP-PBXs on the market	IX	U	U	U	U
Routing of calls between Trunk numbers and PBX numbers or SIP clients	IX	U	U	U	U
Trunk group support (RFC 4904)	IX	U	U	U	U
Call Admission Control	IX				
Additional SIP Trunks (for more PBXs and/or Service Providers)	IX	U	U	U	U
SIP Server Upgrade (Own SIP domain with advanced routing)					
Register SIP phones and soft clients	IX	U	U	U	U
Routing of SIP calls globally, outgoing and incoming	IX	U	U	U	U
Dialling Plan (Trap Number, Route to PSTN Gateway)	IX	U	U	U	U
ENUM lookup	IX	U	U	U	U
Dial 0 or 9 for Outside PSTN Line (like a PBX, Optional)		U	U	U	U
Mix SIP URL, PSTN Number and Extension Numbers	IX	U	U	U	U
Use Service Provider's Ordinary SIP Account as Gateway to the Telephone Network (PSTN) for All Users	IX	U	U	U	U
Seat User License Functions (Upgrade to add PBX-like functionality per user. Included with FXS ports.)					
Internal Extension Numbers	IX	U	U	U	U
Incoming Call Processing (forward in sequence or parallel)	IX	U	U	U	U
Match Incoming Calls from PSTN Gateway to Users	IX	U	U	U	U
Route to external voice mail server	IX	U	U	U	U
Individual SPAM/SPIT Control (blacklist, whitelist, authentication)	IX	U	U	U	U
Other Upgrades, C+S+F+SIP Server Included in SIP Switch Upgrade (also available as separate upgrades)					
C: Crypto pack: TLS, SRTP pass through	IX	U	U	U	U
S: SIParator Ordinary, LAN and WAN SIParator	IX	U	U	U	U
F: FENT (Far-End NAT Traversal)	IX	U	U	U	U
SIP ↔ Telephone Network Gateway (FXO port)					
FXO Port accessible from LAN and WAN with authorization	IX		X		X
For Emergency Calling and Other Locals Calls	IX		X		X
Integrate Incoming Calls on Existing Number with SIP VoIP	IX		X		X
Back up if VoIP Provider's Service Unavailable	IX		X		X
Forward incoming calls and collect extension numbers	IX		X		X
FXS Port for Analogue Telephone (Becomes SIP Client)					
FXS Port accessible from LAN and WAN	IX		2		2
Can register at Internal or Service Providers SIP Server	IX		X		X
Dial Using DTMF or GUI (e.g. for URL calling)			X		X
Caller ID methods: V.23, Bell 202, DTMF			X		X
T.38 (Fax over IP) and Fax pass through			X		X
Fallback to telephone line at power loss			X		X
Telephony Functions (Caller-id, Call Waiting, Call Hold, 3-way Calling, Attended and Blind Transfer)			X		X
Other Features					
Email Notification	IX	X	X	X	X
Web Based Configuration and Telnet CLI Configuration		X	X	X	X
TR-069		X	X	X	X
SNMP v2		X	X	X	X
Upgradeable Firmware		X	X	X	X
Keys and Display	IX	X	X	X	X
Operating System Support		Independent	Independent	Independent	Independent
Ordering info					
Ordering Number		IX78-e5dh ADSL	IX78-e5dhw2 ADSL	IX78-e5dhw ADSL	IX78-e5dhwos2 ADSL

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 * = Feature planned for free upgrade (Timing TBD)

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For more information please see www.intertextdata.com

Supported Protocols: IPSec, IKE, GRE, L2TP, PPTP, PPPoE, IP, ICMP, TCP, UDP, IGMP, FTP, RTSP, SIP, CHAP, PAP, SNTP, POP3, DNS

FXS and FXO port features:

G.711, G.729, G.729A Voice Codecs, G.168 Echo Cancelling, Silence suppression and comfort noise generation, In or Out of Band DTMF, Digest Authnet.

Certification:

CE, FCC

Dimensions:

165 x 154 x 35 mm, (excl. stand and antenna)

Weight:

0.3 kg (excl. power supply)

Mounting:

Vertical (with stand), wall mount

Power Supply:

12 V DC, 1A