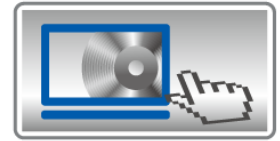EDIMAX
NETWORKING PEOPLE TOGETHER

11n Speed

Easy setup wizard

5dBi

Detachable 5dBi high gain
antenna for better coverage

AR-7186WnA/ AR-7186WnB

150Mbs Wireless ADSL Modem Router

150Mbps Wireless ADSL2/2+ Modem Router

The Edimax AR-7186WnA/B is a high performance router that provides full ADSL2+ capability and superb reliability as a cost-effective networking solution for homes and small businesses. Compatible with the next generation wireless standard 802.11n, and with advanced MIMO technology, the AR-7186WnA/B provides up to 6 times better data transmission rates (up to 150Mbps) and 3 times better coverage than a standard 802.11g/b router.

Wi-Fi Protected Setup (WPS)

Wi-Fi Protected Setup is a quick and convenient method of establishing wireless connections between compatible devices. Set up a wireless network in less than a minute with just a couple of clicks of a button or easily add new Wi-Fi devices to an existing network.

Built-in ADSL2/2+ Modem and IP Sharing

Share any ADSL, ADSL2 or ADSL2+ Internet connection to all wired and wireless network clients (up to 253 clients), with downstream speeds up to 24Mbps and upstream speeds up to 1Mbps.

Multi-language Setup Wizard

A unique and convenient multi-language setup wizard is provided on the included CD-ROM. Select your language and follow a few simple steps to setup the router and configure the Internet connection, password, SSID and wireless security.

Virtual Server and DMZ

Built-in virtual server and DMZ functions are featured to provide maximum security for applications which require open ports such as online games, VoIP phones or web servers.

SGS   RoHS   CE

150Mbs Wireless ADSL Modem Router

AR-7186WnA/ AR-7186WnB

FEATURES AND TECHNICAL SPECIFICATIONS

HARDWARE INTERFACE	MANAGEMENT	OUTPUT POWER
❋ 1 x RJ-11 WAN-port	❋ Web based configuration	❋ 11n: 14±1.5dBm,
❋ 4 x RJ-45 Fast Ethernet LAN ports	❋ Web page/XMODEM/FTP/TFTP firmware upgrade	❋ 11g: 15±1.5dBm
❋ 1 x Reset button for factory default settings	❋ Command-line interface via serial port, telnet or SSH	❋ 11b: 16±1.5dBm
❋ 1 x WPS button	❋ Universal Plug and Play (UPnP)	
❋ 1 x WLAN button	❋ WAN Management Protocol (TR-069)	
❋ 1 x 5dBi antenna	❋ Date/time update from SNTP time server	
❋ Power on/off button		
❋ LED indicators: power, ADSL, LAN 1–4, WLAN, WPS		

ADSL FEATURES	WIRELESS FEATURES	MEMORY
❋ Annex A, B,I, J, L & M	❋ Compatible with IEEE 802.11b,IEEE 802.11g and IEEE 802.11n	❋ 2 MB NOR Flash
❋ ANSI T1.413i2	❋ Supports auto channeling	❋ 8 MB SDRAM
❋ ITU G.992.1 (G.dmt), ITU G.992.2 (G.lite)	❋ 1T1R mode with 150Mbps PHY rate for both transmitting and receiving	
❋ ITU G.992.3 ADSL2 (G.dmt.bis), ITU G.992.4 (G.lite.bis)	❋ Legacy and high throughput modes	
❋ ITU G.992.5 (G.dmt.bisplus), ITU G.994.1 (G.hs)	❋ 20MHz/40MHz Bandwidth	
❋ ITU G.995.1, ITU G.996.1, ITU G.997.1	❋ Supports 64/128-bit WEP, 802.1x, WPA and WPA2 wireless security	
❋ Power saving mode, L3 to L0 initialization	❋ Multiple BSSID support	
❋ Supports multiple PVCs	❋ Wireless frequency range: 2400–2483 MHz ISM band	
❋ Supports traffic shaping (ATM QoS) UBR, CBR, VBR-rt, VBR-nrt		
❋ Supports OAM F4/F5 loop-back, AIS, and RDI OAM cells		
❋ UNI 3.1/4.0 permanent virtual circuits		

SECURITY	FREQUENCY & MODULATION	DIMENSION & POWER
❋ Management access control for LAN/WAN sides	❋ 2400–2484 MHz	❋ 135 x 118 x 28 mm
❋ Prevent port scanning, denial-of-service (DOS) and LAND attacks	❋ 802.11b: CCK, DQPSK, DBPSK	❋ 12V DC, 0.5A
❋ Stateful packet inspection (SPI)	❋ 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS	
❋ IP spoofing, IP with zero length	❋ 802.11n: 64QAM, 16QAM, QPSK, BPSK	
❋ IP/ MAC filtering, application filtering, URL filter		

ROUTING FEATURES	HUMIDITY & TEMPERATURE	CERTIFICATIONS
❋ Routing (TCP/IP/UDP/ARP/ICMP)	❋ Operating: 0 to 40°C	❋ CE
❋ 802.1D MAC Bridge	❋ Storage: -40 to 70°C	
❋ RIP v1 (RFC1058), RIP v2 (RFC1723)	❋ Operating: 10 to 90% RH (Non-condensing)	
❋ IGMP Snooping (V1/V2/V3)		
❋ IGMP Proxy (V1/V2)		
❋ VLSM (RFC1878)		
❋ RFC 1877 PPP IPCP Extensions for Nar		
❋ RFC 1877 PPP IPCP Extensions for Nar (limited to DNS addresses unless the de		
❋ RFC 0791 IP Fragmentation		
❋ IETF RFC 0919, IETF RFC 0922, IETF RF		

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

Example AR-7168WnA Setup:

• Connect the AR-7186WnA's ADSL port to your ISP via RJ11 telephone cable .

• Connect a computer to the AR-7186WnA's LAN port via RJ45 Ethernet cable, and run the multi-language setup wizard to setup the Internet connection.

• Share the Internet connection to other network devices via Ethernet cables or wireless.

WPS Button
Wireless On/Off Button
Reset Button
Power On/Off Button
Power Outlet
Power Adapter
Telephone Set   Telephone Set
Phone Line
Modem
RJ-11
Wall Outlet with ADSL Service
Internet

IP Camera   IP phone   Smart TV   Media Player   Game Console   Laptop