# EDIMAX
## NETWORKING PEOPLE TOGETHER

**11n**
11n Speed

**5dBi**
High Gain Antenna
For Better Coverage

**4 SSIDs**
User Group Management

**Lightning Protected**
Lightning Protected

**Easy Setup Wizard, Built-In ISP Selector**

### AR-7286WnA/ AR-7286WnB

# N300 Wireless ADSL Modem Router

### 300Mbps Wireless ADSL2/2+ Modem Router
The Edimax AR-7286WnA/B is a high performance router that provides full ADSL2+ capability and superb reliability as a cost-effective networking solution for homes. Compatible with the 802.11n wireless standard and with advanced MIMO technology, the AR-7286WnA/B provides better data transmission rates (up to 300Mbps) and better coverage than a standard 802.11g/b router.

### All-in-One Device
The AR-7286WnA/B is a wireless N router with a built-in ADSL2/ADSL2+ modem combining a high-performance router, modem, and a switch into a single device. Save desk space, the hassle of extra cords & cables and the cost of leasing a router from your DSL service provider.

### Powerful and Wide Coverage
Featuring two 5dBi high-gain antennas, the AR-7286WnA/B boosts your signal to ensure extended wireless networking range.

### Four-Networks-in-One
The AR-7286WnA/B supports multiple SSIDs for up to four wireless networks.

### Lightning Protection
Protected from lightning strikes to help your device avoid the damage of a tough thunderstorm.

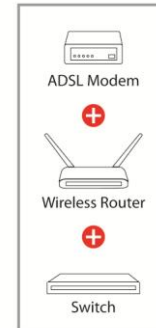### Supports TR-069 for Remote Management
The AR-7286WnA/B also supports TR-069 which is a protocol to define a common method for CPE devices to communicate with a server.

### 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.

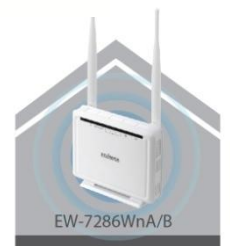### Easy Setup Wizard with Built-in ISP Selector
Setup the ADSL modem router using the unique and convenient multi-language setup wizard provided on the included CD-ROM or available through a web browser. Select your language and follow a few simple steps to setup the router and configure the Internet connection, password, SSID and wireless security. Additionally, the setup wizard includes a built-in ISP selector to configure your ISP settings automatically.
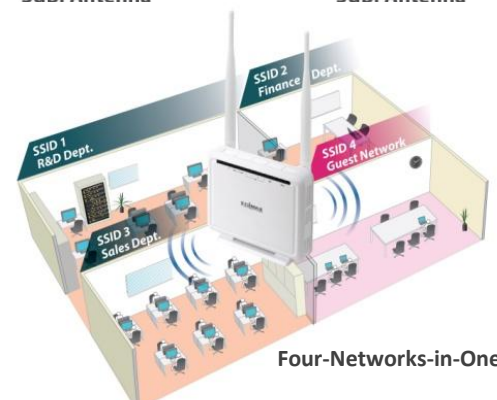
ADSL Modem
+
Wireless Router
+
Switch
**All-in-One Device**

3dBi Antenna

EW-7286WnA/B
5dBi Antenna

SSID 2 Finance Dept.
SSID 1 R&D Dept.
SSID 4 Guest Network
SSID 3 Sales Dept.
**Four-Networks-in-One**

# N300 Wireless ADSL Modem Router

**AR-7286WnA/ AR-7286WnB**

## FEATURES

- 300Mbps wireless transmission rate with MIMO technology for a smooth wireless N experience
- Supports multiple SSIDs for up to four wireless networks
- Easy wireless security encryption with a push of the WPS button
- Powerful 5dBi antennas
- Easy setup wizard with built-in ISP selector

## TECHNICAL SPECIFICATIONS

| HARDWARE INTERFACE | MANAGEMENT | OUTPUT POWER |
|---|---|---|
| • 1 x RJ-11 WAN-port<br>• 4 x RJ-45 Fast Ethernet LAN ports<br>• 1 x Reset button for factory default settings<br>• 1 x WPS button<br>• 1 x WLAN button<br>• 2 x 5dBi antenna<br>• Power on/off button<br>• LED indicators: power, ADSL, LAN 1–4, WLAN, WPS | • Web based configuration<br>• Web page/XMODEM/FTP/TFTP firmware upgrade<br>• Command-line interface via serial port, telnet or SSH<br>• Universal Plug and Play (UPnP)<br>• WAN Management Protocol (TR-069)<br>• Date/time update from SNTP time server | • 11n: $14\pm1.5$dBm,<br>• 11g: $15\pm1.5$dBm<br>• 11b: $16\pm1.5$dBm |

| ADSL FEATURES | WIRELESS FEATURES | ROUTING FEATURES |
|---|---|---|
| • Annex A, B,I, J, L & M<br>• ANSI T1.413i2<br>• ITU G.992.1 (G.dmt), ITU G.992.2 (G.lite)<br>• ITU G.992.3 ADSL2 (G.dmt.bis), ITU G.992.4 (G.lite.bis)<br>• ITU G.992.5 (G.dmt.bisplus), ITU G.994.1 (G.hs)<br>• ITU G.995.1, ITU G.996.1, ITU G.997.1<br>• Power saving mode, L3 to L0 initialization<br>• Supports multiple PVCs<br>• Supports traffic shaping (ATM QoS) UBR, CBR, VBR-rt, VBR-nrt<br>• Supports OAM F4/F5 loop-back, AIS, and RDI OAM cells<br>• UNI 3.1/4.0 permanent virtual circuits | • Compatible with IEEE 802.11b,IEEE 802.11g and IEEE 802.11n<br>• Supports auto channeling<br>• 2T2R mode with 300Mbps PHY rate for both transmitting and receiving<br>• Legacy and high throughput modes<br>• 20MHz/40MHz Bandwidth<br>• Supports 64/128-bit WEP, 802.1x, WPA and WPA2 wireless security<br>• Multiple BSSID support<br>• Wireless frequency range: 2400–2483 MHz ISM band | • Routing (TCP/IP/UDP/ARP/ICMP)<br>• 802.1D MAC Bridge<br>• RIP v1 (RFC1058), RIP v2 (RFC1723)<br>• IGMP Snooping (V1/V2/V3)<br>• IGMP Proxy (V1/V2)<br>• VLSM (RFC1878)<br>• RFC 1877 PPP IPCP Extensions for Name Server Address<br>• RFC 1877 PPP IPCP Extensions for Name Server Addresses (limited to DNS addresses unless the device supports NetBIOS)<br>• RFC 0791 IP Fragmentation<br>• IETF RFC 0919, IETF RFC 0922, IETF RFC 2644 IP Broadcast |

| SECURITY | FREQUENCY & MODULATION | CHIPSET & MEMORY |
|---|---|---|
| • Management access control for LAN/WAN sides<br>• Prevent port scanning, denial-of-service (DOS) and LAND attacks<br>• Stateful packet inspection (SPI)<br>• IP spoofing, IP with zero length<br>• IP/ MAC filtering, application filtering, URL filter | • 2400–2484 MHz<br>• 802.11b: CCK, DQPSK, DBPSK<br>• 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS<br>• 802.11n: 64QAM, 16QAM, QPSK, BPSK | • RT63365+RT5390HL+RT63087<br>• 2 MB NOR Flash<br>• 8 MB SDRAM |

| HUMIDITY & TEMPERATURE | DIMENSION , WEIGHT & POWER | CERTIFICATIONS |
|---|---|---|
| • Operating: 0 to 40°C<br>• Storage: -40 to 70°C<br>• Operating: 10 to 90% RH (Non-condensing)<br>• Storage: 5 to 95% RH (Non-condensing) | • 135 x 118 x 28 mm<br>• 187g<br>• 12V DC, 0.5A | • CE |

## APPLICATION DIAGRAM