



Broadband Router with CATV/ADSL support *Road Lanner* BRL-07DMZ



▶ Feature

The BRL-07DMZ comes equipped with seven switching ports for LAN connection. Equipped with SPI (Stateful Packet Inspection) firewall feature and a port dedicated to the "DMZ" function, the router achieves superior security which is a step ahead of the era of always-on Internet connections.

■ DMZ(De-Militarized Zone) Feature

With the explosive growth of the number of ADSL service users, "broadband Internet" is quickly becoming a common practice in every field. The broadband line is now used for a variety of applications, one of them being disclosing (opening) a server on the WAN (Internet) through a multi-IP address service. Although the broadband router divides a network into two segments, namely WAN (Internet) and LAN, placing a publicly accessible server in either segment will lead to one of the following problems:

1. Placing a Publicly Accessible Server on the WAN (Internet) Side

In this configuration, no broadband router is used, and a fixed IP is used. Since the fixed IP is exposed to the Internet, the local network is vulnerable to any unauthorized attack from the outside.

2. Establishing a Publicly Accessible Server on the LAN Side

Since the broadband router must permit outgoing connections, the packet filtering settings of each node on the LAN may no longer serve the firewall (filtering) purpose.

To solve these security issues associated with the installation of publicly accessible servers, a totally independent network segment (that does not belong to the WAN nor the LAN side) needs to be established on the broadband router.

By installing a publicly accessible server on such segment, one can implement a security system that is confined within the broadband itself (users on the WAN can access the router but may not reach the internal LAN), a system which is also independent of the LAN (packet filtering settings of LAN nodes

remain invisible to outsiders).

When combined with multi-IP services, the BRL-07DMZ with the on-board DMZ feature provides a highly secure environment for setting up globally accessible servers.

■ Full-Fledged Packet Filtering Capability

While all bRoad Lanner series products come equipped with simple firewall features such as IP address translation via NAT/IP masquerading and packet filtering, the BRL-07DMZ further supports a far more rigorous packet-filtering technology called "Stateful Packet Inspection". When establishing communication over the Internet, this new feature checks the consistency between the request and response packets to open only the port that corresponds to the application requesting connection. When communication is over, all the available ports are closed to achieve a truly "hole-less" robust security system that effectively blocks unauthorized access from the outside. Furthermore, each access rule can be configured in any direction among the LAN, WAN and DMZ networks (ex. LAN->WAN, LAN->DMZ, WAN->DMZ and vice versa).

Even when there is a malicious attack from the outside, the BRL-07DMZ detects it via its Dos Attack Protection function and notifies the administrator of the incidence via e-mail.

■ ARM Chip Improves Throughput

An ARM (32bit) chip is used as the product's CPU for routing. As a result, the throughput has improved significantly (3.5Mbps = theoretical value) compared with its predecessor model.

■ Internet Sharing among Multiple Computers

Its NAT/IP masquerading (NAPT) feature enables simultaneous Internet sharing among multiple computers. As the product also supports multi-IP LAN-type services, servers can be safely disclosed through the DMZ port.

■ Built-In 7-Port Switch

To provide ports dedicated to LAN connection, the BRL-07DMZ comes equipped with 7-port 10/100BASE Auto-Negotiation Switch. Up to seven PC's can be directly attached to the product.

■ Supports PPPoE(Point to Point Protocol over Ethernet)

In addition to ordinary Ethernet connection, the BRL-07DMZ also supports Point to Point Protocol over Ethernet (PPPoE).

-Requires no PPPoE software

Since the BRL-07DMZ provides PPPoE client function by itself, there is no need to install a separate PPPoE program to each client PC.

-Enables Concurrent Internet Access from Multiple Clients

Its NAT/IP masquerading (NAPT) feature allows multiple computers to access the Internet simultaneously using just one PPPoE account.

-Automatic Connection/Disconnection

Its PPPoE Service On Demand feature and Idle Access Monitoring/ Automatic Disconnection feature allow its users to access the Internet as if they were using a leased line - the users are no longer required to manually connect to or disconnect from the Internet.

■ Supports DHCP

Since the BRL-07DMZ is equipped with DHCP Server/Client capabilities, it automatically 1) obtains an IP address from the DHCP server on the WAN side and 2) allocates an IP address to each client attached to its LAN ports. The product also supports manual IP configuration.

■ Web-Based Configuration

The internal parameters and operation settings of the BRL-07DMZ can be easily configured via a WWW browser. The password-protected configuration screen prevents unauthorized access from outsiders, and it also supports configuration via TELNET.

■ Upgradable Firmware

All system functions of the BRL-07DMZ are stored in the on-board flash memory in the form of firmware (software). By downloading the latest firmware from our web site, you can always keep the functions of the bRoad Lanner up-to-date.

NOTE: Some ISP's place restrictions on the use of routers like BRL-07DMZ and/or Internet sharing among multiple PC's. Please be sure to check the service contract with your ISP before purchasing this product.

*The bRoad Lanner series products are NOT dial-up routers.

▸ Specification

Product Model Number	BRL-07DMZ
Standards Conformance	LAN Side: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3 (Flow Control) WAN Side: IEEE802.3 10BASE-T
Data Transfer Rate	LAN Side: 10/100Mbps (Auto-Negotiation) WAN Side: 10Mbps
Ports	LAN Side: 10BASE-T/100BASE-TX RJ-45 Port x 7 Ports WAN Side: 10BASE-T RJ-45 Port x 1 Port DMZ: 10BASE-T RJ-45 Port x 1 Port
Supported WAN	ADSL, SDSL, CATV, Leased Line Services

Services	
Supported Network Cables	10BASE-T Category 3 (or greater) twisted-pair cables (maximum length: 100m) 100BASE-TX Category 5 (or greater) twisted-pair cables (maximum length: 100m)
Supported Protocol	TCP/IP
Address Translation	NAT/IP Masquerading (NAPT)
Firewall	Stateful Packet Inspection, Address Filtering (Source/Destination), Protocol Filtering ((TCP/UDP) , Port Number Filtering, URL Filtering, DMZ, Dos Attack Protection, E-mail Notification of Dos Attacks
DHCP Server	Supports up to 235 addresses (LAN ports only, can be disabled)
DHCP Client	Obtains an IP address from an ISP (WAN port only, can be disabled)
PPPoE	Supports 1 session, Service On Demand, Idle Connection Monitoring, Automatic Disconnection
Local Server	Forwards packets to a specific PC on the LAN per TCP/ UDP port
Filtering	MAC address/ IP address/ IP port filter (outgoing direction)
Configuration Interfaces	Web browser, Telnet
Firmware Upgrade	Rewrites on-board flash ROM
LED	POWER ,STATUS ,WAN ,LAN ,DMZ
Power Input	DC 5V ,2A
Power Consumption	10W Max.
Dimensions	224.4(W) x 34(H) x 144.6(D)mm
Weight (Main Body)	424g
Operating Temperatures	0 - 40 degrees Celsius
Operating Humidities	35 - 85%
Supported Platforms	- Computers equipped with an Ethernet (RJ-45) port running Windows 95/98/Me/XP, Windows NT, Windows 2000 - Computers equipped with an Ethernet (RJ-45) port running an OS with TCP/IP support (MacOS, UNIX OSes)
Required Network Equipment	LAN cables
Supported ADSL/Cable Modems	- External ADSL modem with an RJ-45 (LAN) port - External cable modem with an RJ-45 (LAN) port
EMI	FCC Class A ,CE Mark

Package Contents	BRL-07DMZ, AC Adapter, Straight LAN cable (1m) x 1, Short Cord x 1, User's Manual, Quick Installation Guide, Warranty Card (provided at the end of the User's Manual)
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▼ Product view

