



**Broadband Router with CATV/ADSL support  
(with 4Ports Switch)**  
**Roadstar Lanner BRL-04F**



► **Feature**

■ **Equipped with a 4 Port Switch**

As an interface to your LAN, the BRL-04F comes standard with a 4 Port 10BASE-T/100BASE-TX Auto-Negotiation Switch. Up to four computers may be directly attached to the on-board switch.

The BRL-04F further provides an uplink switch to both WAN and LAN ports. The switch not only enables cascade connection to another hub, but also eases connection to ADSL/CATV modems which require cross-over wire connection.

■ **High Throughput Reaching Up to 8.5Mbps**

The BRL-04F boasts 8.5Mbps of WAN-to-LAN throughput, a top-class speed for a low-priced router. Its robust performance easily accommodates ADSL, CATV and other high-speed Internet services including optical IP networking. \*

\* Optical IP networking: an emerging "best effort"-type service which is expected to provide 10Mbps connection to all its users

■ **Supports PPPoE(Point to Point Protocol over Ethernet)**

In addition to ordinary Ethernet connection, the BRL-04F also supports Point to Point Protocol over Ethernet (PPPoE).

-Requires no PPPoE software

Since the BRL-04F provides PPPoE client function by itself, there is no need to install a separate program for PPPoE connection 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 session.

-Automatic Connection/Disconnection

Its PPPoE Service On Demand feature and No Access Monitoring/ Automatic Disconnection feature allow its users to access the Internet as if they were using a leased line - BRL-04F users are no longer required to manually connect to or disconnect from the Internet.

■ **Provides a Basic Fire-Wall Feature**

As the IP address of the WAN port is shared among multiple computers, outsiders cannot learn the IP

address of each client attached to the LAN ports of the BRL-04F.

Furthermore, the BRL-04F blocks all non-TCP/IP protocols to make any unauthorized access from the Internet extremely difficult. This feature protects the LAN and thus serves as a robust firewall.

#### ■ Also Supports Incoming (Internet-to-LAN) Access

Usually, access from the Internet (WAN) to the LAN is disabled as long as NAT/IP masquerading is in use. The Local Server function of the BRL-04F enables incoming access without compromising NAT/IP masquerading.

#### ■ Serves as a Gateway to Internet Games

Its Local Server function allows multiple clients to play network games while they are connected to the Internet.

This feature also supports network games which do not support NAT.

\* Some network games may not properly operate even when Local Server mode is enabled.

#### ■ Supports DHCP

The BRL-04F is equipped with DHCP Server/Client feature. Hence 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 port. Manual configuration of IP is also supported.

#### ■ Web-based Configuration

The internal parameters and operation settings of the BRL-04F 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 functions of the BRL-04F 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.

#### \*About shared Access to the Internet via a CATV account

If you are planning to share a CATV Internet account (connection) with multiple client computers, please be sure to contact your local CATV service provider in advance and check whether this type of Internet access is supported.

\*Note: this product is NOT a dialup router.

\*bRoadLannerR and its logo mark are the trademark (registration pending) of Planex Communications Inc.

► Specification

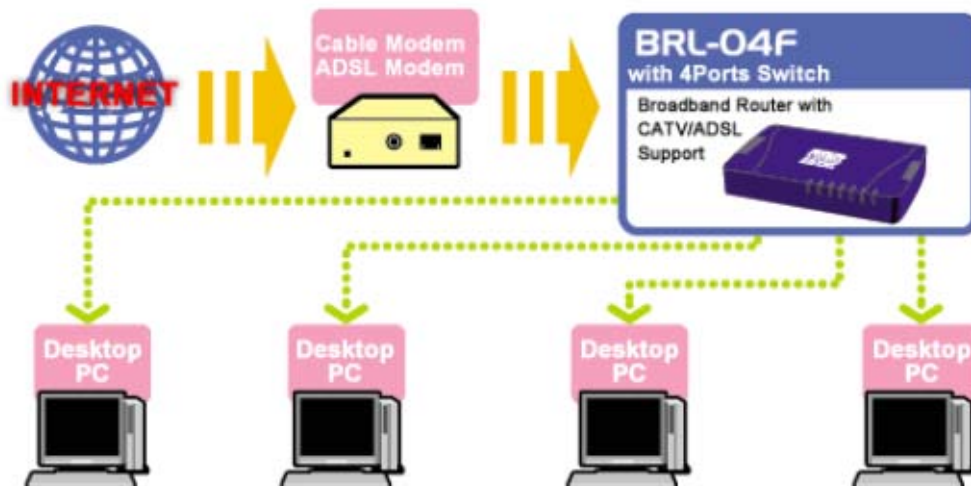
<b>Model Name</b>	<b>BRL-04F</b>
<b>Supported Standards</b>	IEEE802.3 10BASE- T ,IEEE802.3u 100BASE- TX
<b>Network Port Configuration</b>	WAN Port 10/100BASE Auto-Negotiation Port x 1 (RJ-45 Connector)
	LAN Ports 10/100BASE Auto-Negotiation Port x 4 (RJ-45 Connector)
<b>Uplink Switch</b>	Provides one switch to both WAN and LAN sides
<b>LED</b>	PWR/ERR ,WAN ,LAN
<b>Supported WAN Lines/Services</b>	ADSL, SDSL, CATV, Leased Line
<b>Supported Protocol</b>	IP
<b>Address Translation</b>	NAT/IP Masquerading (NAPT)
<b>DHCP Server</b>	Supports up to 254 addresses (LAN ports only: can be disabled) (Ver6.12~)
<b>DHCP Client</b>	Obtains an IP address from an Internet service provider (WAN port only: can be disabled)
<b>PPPoE</b>	Supports 1 session
	Obtains an IP address from an Internet service provider (WAN port only: can be disabled)
<b>DMZ</b>	Forwards packets on the WAN port to a specific host (PC) on one of the LAN ports
<b>Local Server Function</b>	Forwards connection to a specified computer in the LAN per TCP/UDP port (supports manual selection of port range)
<b>Filtering</b>	Supports MAC Address/IP Address/IP Port Filtering (outgoing direction)
<b>Configuration Methods</b>	Web browser, Telnet
<b>Upgradability</b>	Upgradable firmware (stored in flash ROM)
<b>Supported Hardware and OSes</b>	-Windows 95/98/Me,Windows NT,Windows 2000 PC with an Ethernet (RJ-45) port -Computer with an Ethernet (RJ-45) port running an OS with TCP/IP support

	(ex: MacOS and UNIX OSes)
<b>Networking Equipment</b>	This product requires a UTP/STP twisted-pair cable per client
<b>Supported xDSL /Cable Modems</b>	-External xDSL modem with an RJ- 45 (LAN) port -External cable modem with an RJ- 45 (LAN) port
<b>Power Input</b>	DC 5V ,2.4A
<b>Operating Temperatures</b>	0-40 degrees Celsius
<b>Operating Humidities</b>	35-85%
<b>Dimensions</b>	160(W) x 27(H) x 105.4(D)mm
<b>Max. Power Consumption</b>	5W (AC Adapter Spec.: 5V-2.4A)
<b>Weight</b>	218g (excluding the AC adapter)
<b>EMI</b>	FCC ClassB ,VCCI ClassB ,CE
<b>Accessories</b>	BRL-04F, AC Adapter, Category 5 1m UTP Cable x 1, Short Cord, User's Manual on CD-ROM

▼ Connection Sample

**BRL-04F Network Layout Sample**

*The BRL-04F enables multiple computers to access Internet simultaneously*



▼ Product view

