

Internet Broadband Router



With the growth of the Internet activities, high-speed Internet access and various Internet application are often seen in daily life. Responding to the trends of Internet activities and security, PLANET now brings you the XRT-501, a solution for high speed Internet access and worry-free for surfing on the net.

With easy integration and full compatibility of existing network infrastructures, the PLANET XRT-501 comprises a 4-Port Auto-Sensing, Auto-MDI / MDI-X 10/100/1000Mbps switch, and a 10/100/1000Mbps WAN port for providing Internet access for both Servers and workstations.

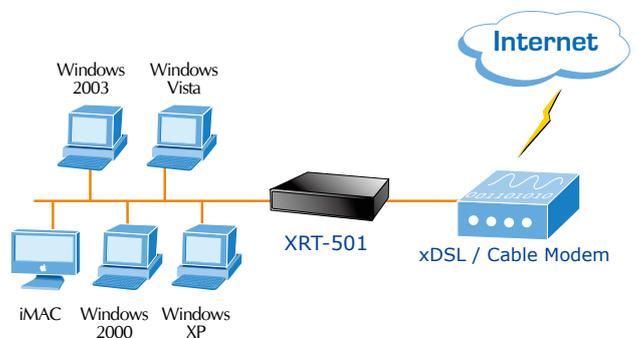
Via the User-Friendly management interface, the XRT-501 can be managed by workstations running standard web browsers. With built-in connection wizard (DHCP, fixed IP, PPPoE, PPTP, L2TP, SingTel RAS, Telstra Big Pond), which are optimized for different ISP environment around the world and various DDNS client support, the PLANET XRT-501 is able to use the most common connection types, and meet the most demanding of Internet application requirements.

Furthermore, the XRT-501 provides DHCP server, Virtual Server, DMZ, PPTP / IPSec / L2TP pass through, and URL filtering capability. For overall network security, the XRT-501 integrates User-Defined access control and Policy-Based controls plus SPI firewall protection for offering high efficiency and extensive protection for your network.

APPLICATIONS

Internet Connection with Firewall

XRT-501 WAN port can be connected to the Internet through either an xDSL or Cable Modem, and provides the ability to act as a regular router (NAT disabled and static route) to route the network traffic to a specific destination host. With the assistance of a DDNS client, SOHO users with a dynamic IP may build their own websites and ftp servers. With features such as add-on virtual servers, special applications, UPnP and DMZ supports, users can enjoy the trouble-free Internet communication.



KEY FEATURES

INTERNET ACCESS FEATURES

- **All Gigabit Ports Support.** With five Auto-negotiation and Auto MDI / MDI-X Ethernet ports, the XRT-501 eliminates the most inconvenient of cabling. One WAN port, 10/100/1000Base-T, is connected to user's DSL or Cable modem, and the other four LAN ports, 10/100/1000Base-T, are used to connect to local LAN.
- **Shared Internet Access.** All users on the LAN can access the Internet through the XRT-501 using only a single external IP Address. The local (invalid) IP Addresses are hidden from external sources. This process is called NAT (Network Address Translation).
- **Fixed, PPPoE, Dynamic, and Direct Connection Support.** Various WAN connections are supported by the XRT-501.

ADVANCED INTERNET FUNCTIONS

- **Internet Communication Applications.** The XRT-501 supports Internet communication applications, such as interactive Games, Telephony, and Conferencing applications, which are often difficult to use while being behind a Firewall
- **Special Internet Applications.** Using non-standard connections or port numbers are normally blocked by the Firewall. The ability to define and allow such applications is provided for enabling them to be used normally.
- **Virtual Servers.** This feature allows Internet users to access Internet servers on your LAN. The required setup is quick and easy.
- **DMZ Support.** The XRT-501 can translate public IP addresses to private IP addresses for allowing unrestricted two ways communication with Servers or individual users on the Internet. This provides the most flexibility to run programs, which are incompatible with Firewalls.
- **URL Filter.** Keyword based of URL Filter blocks access to undesirable Websites by LAN users.
- **Firewall.** It supports Stateful Packet Inspection firewall for DoS (Denial of Service) attacks.
- **Dynamic DNS Support.** With the Virtual Servers feature, users are allowed to connect to Servers on your LAN by using a Domain Name, even have a dynamic IP address which changes every time while connecting.
- **VPN Pass-Through Support.** PCs with VPN (Virtual Private Networking) software using PPTP, L2TP and IPSec are transparently supported. No configuration is required.
- **Access Control.** With the Access Control feature, you can assign LAN users to different groups, and determine which Internet services are available to each group.
- **Password Protected Configuration.** Optional password protection is provided to prevent unauthorized users from modifying the configuration data and settings.

LAN FEATURES

- **DHCP Server Support.** Dynamic Host Configuration Protocol provides a dynamic IP address to PCs and other devices upon request. The XRT-501 can act as a DHCP Server for devices on your local LAN
- **PC Database.** All LAN users can be added manually or discovered automatically by the XRT-501, through this built-in user database, administrators are able to have a centralized networking management.
- **Routing.** LANs containing one or more segments are supported via RIP1 (Routing Information Protocol) support and built-in static routing table.

CONFIGURATION & MANAGEMENT

- **Easy Setup.** The built-in configuration wizard helps users to complete network installation in a very short time via standard Internet browsers such as Microsoft Internet Explorer, Netscape Communicator etc.
- **Remote Management.** The XRT-501 can be managed from any PC on LAN or via the Internet anywhere around the world.
- **UPnP Support.** UPnP (Universal Plug and Play) allows automatic discovery and configuration of XRT-501. UPnP is supported by Windows ME, XP, or later.
- **Logs.** It provides system log and security log, and log can be saved or mailed to a specific account.
- **Configuration File Upload / Download.** Save (download) the configuration data from the XRT-501 to user's PC and restore (upload) a previously saved configuration file to the XRT-501.
- **Packet Capture Utility.** The XRT-501 provides Easy Installation Utility via enabling the capture packet function on the Web UI for monitoring the LAN or WAN traffic, and also sends capture log to the specific client which installed capture tools.

SPECIFICATION

Product	Internet Broadband Router
Model	XRT-501
Hardware Specification	
Protocols and Standards	IEEE 802.3 (10Base-T) Support IEEE 802.3u (100Base-Tx) Support IEEE 802.3x (Half-Duplex back pressure) Support IEEE 802.3x (Full-Duplex flow control) Support RFC 768 UDP RFC 791 IP RFC 792 ICMP RFC 793 TCP RFC 826 ARP RFC 1034, 1035 DNS RFC 2136 DDNS RFC 1058 RIP RFC 1631 NAT RFC 2068 HTTP RFC 2131 DHCP RFC 2411 IPSec RFC 2516 PPPoE RFC 2637 PPTP RFC 2661 L2TP UPnP
Speed	LAN port: 10/100/1000Mbps, Half or Full Duplex, Auto-negotiation, Auto MID / MID-X WAN port: 10/100/1000Mbps, Half or Full Duplex, Auto-negotiation, Auto MID / MID-X
Cabling	10Base-T: 2-Pair UTP Cat. 3, 4, 5 up to 100m (328ft) 100Base-TX: 2-Pair UTP Cat. 5 up to 100m (328ft) 1000Base-T: 4-Pair UTP Cat. 5, Cat5e, Cat6 up to 100m (328ft)
Management	Web
Internet Connection Type	Fixed IP, PPPoE, DHCP, DHCP with host / domain name, SingTel RAS plan, PPTP client with optional ID selection, L2TP, Telstra Big Pond
Maximum Clients	253
Maximum Concurrent Sessions	TCP + UDP = 1500 + 600 (NAT Entries)
PPTP Pass Through	100 entries
IPSec Pass Through	100 entries
L2TP Pass Through	100 entries
Virtual Server	33 (user define) + 7 (default) = 40 entries
Special Application	12 entries
Multi-DMZ	6 entries
Service List Database	30 (user define) + 40 (default) = 70 entries
URL Filtering	Max. 50 entries
User Group	4 + 1 (Default) = 5 entries
Logging	Max. logging capacity • DoS attacks log 100 entries • Outgoing(Internet) connections log 100 entries • Incoming(Internet) connections log 100 entries • Blocked Packet log 100 entries
Dynamic DNS	DynDNS, DtDNS, Cn99
DHCP Clients	253
Routing	RIPv1, or Static Routing Table (20 entries)
WAN Port MAC Address	Manually configure or Copy from PC
PC Database	100 entries

Other Feature	IP / Port / Protocol-Based QoS with Four Level Priorities Packet Capture via Easy Installation Utility Remote Management (User-Definable communication port) Protection of DoS attack IGMP Snooping UPnP support (discovery, NAT transversal) Optional Password protection for web configuration interface Group and Schedule Access Control and URL Blocking
Environment Specifications	
Operating	Temperature: 0~40 Degree C Relative Humidity: 10~90% (non-condensing)
Storage	Temperature: -25~70 Degree C Relative Humidity: 5~95% (non-condensing)
Power Supply	12V DC, 1A
Dimension (W x D x H)	141 x 100 x 27 mm
Weight	400g
Emission	FCC, CE

ORDERING INFORMATION

XRT-501	Internet Broadband Router
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RELATED PRODUCTS

XRT-401E	Internet Broadband Router
XRT-401D	Internet Broadband Router