



▶ Feature

The ZIMA FX is a 100Mbps fiber optic BB (broadband) router which provides support for fiber cable broadband services including FTTH/FTTO

■ **One of the World's Fastest Routers (Delivers Throughput Approaching 100Mbps)**

While the maximum effective throughput of broadband routers utilizing RISC chipsets is 30Mbps at best, the ZIMA FX enables effective throughput approaching 100Mbps. The product thus eliminates the likelihood that the router's processing speed becomes a bottleneck in 100Mbps fiber optic services like FTTH/FTTO. This way, the ZIMA FX allows its user to make full use of high-speed benefits of 100Mbps broadband services which are becoming increasingly more available today.

< Telecommunications carriers in Japan that are currently offering or planning to provide broadband Internet services: >

NTT: B FLETS
IP Revolution, SpeedNet

< High Speed Digital Leased Line >
NTT: Gigaway (50Mbps)

■ **Internet Sharing Among Multiple PC's**

Its on-board NAT/IP Masquerading (NAPT) feature converts a single global IP address into multiple local IP addresses, enabling concurrent access to the Internet from multiple computers.

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

In addition to ordinary Ethernet connection, the product supports connection via PPPoE as well.

- Requires no PPPoE connection software: There is no need to install a separate program for PPPoE connection to your PC because the ZIMA FX is already equipped with a PPPoE client function.

- Simultaneously connects multiple PC's to the Internet:

Its NAT/IP Masquerading (NAPT) feature connects multiple computers to the Internet using just one PPPoE account.

■ **Firewall Features**

The router supports packet filtering, a technology that controls data communication using information contained in the header of IP packets. As it blocks packets which do not meet preconfigured forwarding rules (conditions), this feature serves as a simple firewall. As one of today's full-fledged network security technologies, DMZ is also scheduled to be supported through an expansion/option module.

* Hardware DMZ is optional and the option module is sold separately (priced at 98,000 yen)

<On-Board Packet Filter Features>

Address Filtering (both source and destination can be specified)

Protocol Filtering (TCP, UDP and ICMP are mainly used)

Filtering by Port Number (source/destination can be specified separately for TCP and UDP protocols) (type and code number are specified in the case of ICMP)

■ **Full-Blown Routing Features and Network Management Capabilities**

As a broadband router, the ZIMA FX is the first model which comes with full-fledged routing features. Since it is equipped with route control protocols for determining the most suitable route for sending packets, the router enables efficient network construction even when multiple PC's (nodes) are attached to the main broadband line.

<On-Board Routing Protocols>

IP4:RIP1/RIP2 (OSPF and BGPd are also scheduled to be supported)

Ipv6(scheduled): RIPng/OSPFv6

■ **Web-Based Configuration**

Its system parameters can be configured via either Cisco-like command interface or its Web interface. The user can set up the router through an ordinary WWW browser - it's as simple as surfing the Web!

■ **Upgradable Firmware**

All the functions of the router are stored in its internal flash memory in the form of firmware. The user can keep the router's various features up-to-date by upgrading firmware through its TFTP server function.

Caution: Some ISP's may limit access from multiple PC's or the use of broadband routers like ZIMA FX. Please be sure to review the service contract of your ISP before purchasing this product.

► **Specification**

Product Model Number	ZIMA FX
Standards Conformance	LAN Side: IEEE802.3(10BASE-T) IEEE802.3u (100BASE-TX) WAN Side: IEEE802.3 (10BASE-T) IEEE802.3u(100BASE-TX)
Data Transfer Rate	10/100Mbps (Auto-Negotiation)

Ports	LAN side: 10BASE-T/100BASE-TX RJ-45 Port x 1 *Console Port (Serial RS-232C D-sub 9pin) x 1 WAN side:10BASE-T/100BASE-TX RJ-45 Port x1 DMZ :10BASE-T RJ-45 Port x 1 * DMZ port is optional.
Supported WAN Services	ADSL, SDSL, CATV, FTTH, FTTO, leased lines
Supported Network Cables	10BASE-T Category 3 (or greater) twisted-pair cable (100m max.) 100BASE-TX Category 5 (or greater) twisted-pair cable (100m max.)
Supported Protocol	TCP/IP
Address Translation	NAT/IP Masquerading (NAPT)
DHCP Server	Supported only on the LAN port, can be disabled
DHCP Relay	Up to five servers may be entered
DHCP Client	Obtains an IP address from an ISP (supported only on the WAN port, can be disabled)
PPPoE	PPPoE Client (1 session, service-on-demand, CHAP/PAP Authentication)
SNMP	MIB2
Firewall	Packet Filtering, Address Filtering (source and destination addresses can be entered separately), Protocol Filtering (TCP/UDP/ICMP), Filtering by Port Number (TCP/UDP: source and destination addresses can be entered separately) (ICMP: tpe and code number are entered)
Routing Protocols	IPv: RIPv1/RIPv2 (OSPF and BGPD are scheduled to be supported via option board)
Filtering	MAC Address/IP Address/IP Port Filter (outgoing direction)
Configuration Interface	Web browser, Telnet
Firmware Upgrade	Via TFTP server
Routing Processor	CISC 400MHz equivalent
System Memory	128MB
Diskless	DOC boot
LED	Power,Link,Act
Power Input	AC100-240V
Power Consumption	80W Max.
Dimensions (W x D x H)	446 x 308 x 44 mm

H)	
Weight (Main Body)	4.7kg
19" Rack-Mounting	Support
Operating Temperatures	0 - 40 degrees Celsius
Operating Humidities	35 -85%
Supported Platforms/Hardware	-Computers equipped with at least one Ethernet (RJ-45) port and running Windows 95/98/ME/XP/NT or 2000 -Computers equipped with at least one Ethernet (RJ-45) port and running an OS which supports TCP/IP (ex. MacOS and UNIX OSes, etc.)
Required Network Equipment	- LAN cables - 10BASE-T/100BASE-TX repeater hub or Switch
Supported ADSL/Cable Modems	-External ADSL modems with an RJ-45 (LAN) port -External cable modems with an RJ-45 (LAN) port
EMI	FCC Class A ,CE Mark
Package Contents	ZIMA FX, Manual CD-ROM, Power Cord, Metal Fittings for 19" Rack-Mounting

