

Warranty Policy

Limited Warranty

All Rights Reserved. Copyright 2006 Teletronics International, Inc.
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All Teletronics' products warranted to the original purchaser to be free from defects in materials and workmanship under normal installation, use, and service for a period of one (1) year from the date of purchase. Under this warranty, Teletronics International, Inc. shall repair or replace (at its option), during the warranty period, any part that proves to be defective in material of workmanship under normal installation, use and service, provided the product is returned to Teletronics International, Inc., or to one of its distributors with transportation charges prepaid. Returned products must include a copy of the purchase receipt. In the absence of a purchase receipt, the warranty period shall be one (1) year from the date of manufacture.

This warranty shall be voided if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than a Teletronics International, Inc. employee or authorized service facility, or any use in violation of instructions furnished by Teletronics International, Inc.

This warranty is also rendered invalid if this product is removed from the country in which it was purchased, if it is used in a country in which it is not registered for use, or if it is used in a country for which it was not designed. Due to variations in communications laws, this product may be illegal for use in some countries. Teletronics International, Inc. assumes no responsibility for damages or penalties incurred resulting from the use of this product in a manner or location other than that for which it is intended.

IN NO EVENT SHALL TELETRONICS INTERNATIONAL, INC. BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER.

Some states do not allow the exclusion or limitation of special, incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

RMA Policy

Product Return Policy

It is important to us that all Teletronics' products are bought with full confidence. If you are not 100% satisfied with any product purchased from Teletronics you may receive a prompt replacement or refund, subject to the terms and conditions outlined below.

IMPORTANT: Before returning any item for credit or under warranty repair, you must obtain a Return Merchandise Authorization (RMA) number by filling out the RMA form. Products will not be accepted without an RMA number. All products being shipped to Teletronics for repair/refund/exchange must be freight prepaid (customer pays for shipping). For all under warranty repair/replacement, Teletronics standard warranty applies.

30-Day full refund or credit policy:

- I. Product was purchased from Teletronics no more than 30 day prior to the return request.
- II. All shipping charges associated with returned items are non-refundable.
- III. Products are returned in their original condition along with any associated packaging, accessories, mounting hardware and manuals. Any discrepancy could result in a delay or partial forfeiture of your credit.

Unfortunately Teletronics cannot issue credits for:

- I. Products not purchased from Teletronics directly. If you purchased from a reseller or distributor you must contact them directly for return instructions.
- II. Damaged items as a result of misuse, neglect, or improper environmental conditions.
- III. Products purchased direct from Teletronics more than 30 days prior to a product return request.

To return any product under 1 year warranty for repair/replacement, follow the RMA procedure.



Quick Product Guide

EZLOOP®
Enterprise SIP SERVER
Item# 21-107



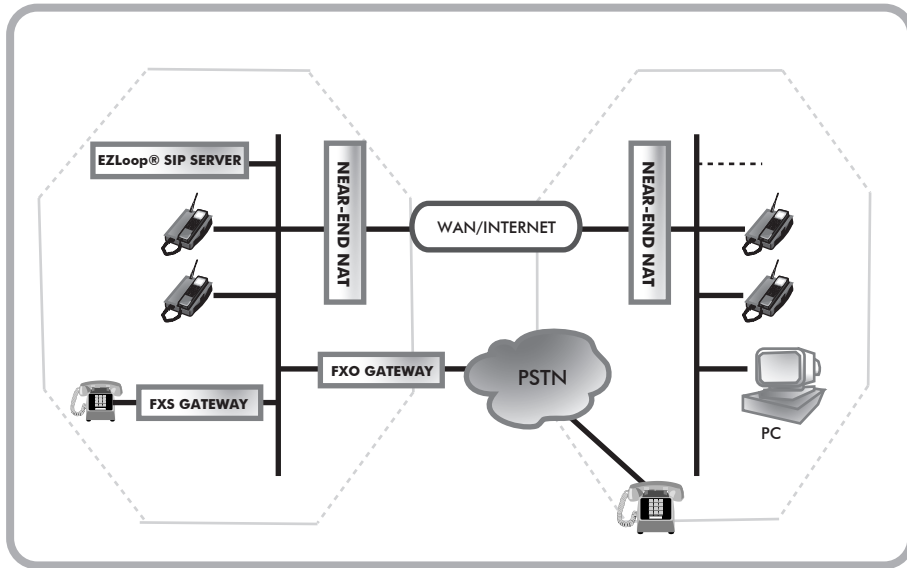
Technical Specification

Features	Offers easy administration through any web browser. Remote administration is easy.	CPU Speed	800 MHz
	Able to make revisions even if there are active sessions.	System Memory	1x168 pin DIMM max. up to 512MB 128MB SDRAM onboard
	SIP-based: Provides wide range of interoperability with SIP compliant clients, gateways, and third-party's SIP servers	Chipset	VIA VT8601T + VT82C686B
Software Specs	Works flexibly with Dial Plan, NAT traversal, Authentication, and upper/thru registration functions in various types of network environments.	BIOS	Phoenix-Award BIOS with 2Mbit Flash
	EZLoop® Enterprise SIP Server will receive REGISTER requests from either a client application or UA, and update its database appropriately. Using the registrar function, you will be able to answer calls with any client through your unique SIP-URI.brower. Remote administration is easy.	SSD	CompactFlash TM Type II Socket (512 MB)
	EZLoop® Enterprise SIP Server will route SIP requests from clients or other servers to the most appropriate SIP-URI address based on its register database. When a user cannot be located in the database, the Dial Plan rules can be used. If the routing resolves successfully at the proxy server, a caller can establish a call even when the final SIP-URI address is unknown to the caller.	Board Unique	Dallas DS2401 controller
	Near-End NAT Traversal The clients behind the same NAT as EZLoop® Enterprise SIP Server can talk with clients behind the NAT utilizing EZLoop® Enterprise SIP Server's Near-End NAT Traversal feature.	Watch dog Timer	System rest and NMI; 64 Levels, 0.5 ~ 8 / 5 ~ 80 / 50 ~ 800 / 100 ~ 1600 Seconds Dallas DS2401 controller
	Far-End NAT Traversal The clients behind other NATs can communicate with the EZLoop® Enterprise SIP Server over the Internet utilizing EZLoop® Enterprise SIP Server's Far-End NAT Traversal feature.	Ethernet Interface	4 ports 10/100 BaseT Ethernet with Auto-Sense mode
	Dial Plan You can make flexible routing rules by defining matching rules and filtering rules for headers and IP addresses in the SIP packets using regular expressions in this Dial Plan.	Battery	Lithium 3V/196 mAh
	Session Management You can check the status or terminate the active calls.	Size/Weight	203mm x 146mm 0.32 kg
	Logging Logs for previous sessions can be viewed through a web browser.	Temp.	0 ~ 60deg C, operation
	Operating System Linux Red Hat v9.0 with webmin administration interface	Operation Humidity	105 ~ 95% relative humidity, non-condensing
		Ethernet	4 x Realtek RTL8139C Fast Ethernet controllers, one Gigabyte LAN option
	USB	2 x USB ports; USB 1.1a compliant	

Package List

1. EZLoop® Ent. SIP Server
2. AC Adapter
3. Ethernet Cable
4. Null Modem Cable
5. Quick Product Guide

Sample Application Diagram



Hardware Features:

- Onboard low power VIA EBGA CPU
- Quad Fast Ethernet, one Gigabite LAN option
- 2 RS-232 COM Ports
- 2 USB Ports
- Board Unique ID
- CompactFlash for low cost SSD
- Optional Mini PCI for more feature expansions

Protocols and Performance:

- VoIP Protocol for signaling -SIP (RFC3261 Standard)
- VoIP Protocols for delivery of voice-RTP, RTCP (When using NAT Traversal)
- Routing Methods-Register database or Dial Plan
- NAT Traversal-Proprietary method
- Maximum Number of Concurrent Calls 30 -(Concurrent connections available when tested a Pentium 800MHz with 128MB of RAM in 100M Ethernet network. Connection numbers may vary depending on network condition. Not using a NAT Traversal, will increase the number of possible connections.
- Administration-Web-Based

Initial Set-Up Guide

1. Using the Ethernet

Using the Ethernet cable provided, connect the DSL or Cable modem to the LAN 1 port on the back of the Sip Server.

2. Connect the Ethernet

Connect the Ethernet (LAN) port of your Router or your computer by using your own Ethernet cable into the LAN 1 port on the back of the Sip Server.

3. Power on the Sip Server

Power on the Sip Server by using the AC Adapter provided.

4. Optional: Connect the Serial Cable

Connect your computer to the serial port on the back of the SIP Server. Use the Hyper Terminal to open a session to the Rescue Console Menu.

5. Optional Set-up:

Connect the Sip Server LAN 1 port to your Router instead of DSL or Cable modem. Teletronics recommend places the Sip Server in front of Router to maximize the voice quality.

6. Configuring from Web Browser:

Linux Sip Server LAN IP: <http://192.168.10.241:10000>
USER ID: sa Password: sa

SIP Module IP Address: <http://192.168.10.241>
User ID: sa
Password: sa

Please Note:

Please download the Sip Server User Manual at www.teletronics.com/UserManuals.html

PLEASE VISIT OUR WEBSITE AT WWW.TELETRONICS.COM FOR MORE INFORMATION