

# Nexland ISB Pro800turbo Product Specification

*Built for Small Offices that Think Big... Double Your Bandwidth with Dual Broadband Connection Balancing Plus Double Redundant Backup*

## Network

- **NAPT (Network Address & Port Translation) Firewall**
  - All Ports Stealth - No SYN Packet Response
  - Protocol Disable (limit to e-mail, etc.)
  - Configurable Filters, TCP/UDP
  - 5 Definable Security Groups
  - DMZ for One Exposed Computer
  - IDENT Port 113 Available Option (Closed not Stealth)
  - Disable NAT - for Pure Routing or PPPoE Bridge
- **Operating Protocol: TCP/IP + All Standard**
- **DHCP Server**
  - 253 Users Leased (Class C Network)
  - Configurable IP Ranges
  - Static LAN IPs: Assigned by Workstation MAC Address
- **Obtain IP Address by**
  - PPPoE Client
  - DHCP Client
  - Static IP/Gateway Entries
- **Multisession PPPoE**
  - For Special Media Services
  - 4 sessions per WAN port
  - Bound to Workstations Through MAC Address
- **Configurable Domain/Computer Name and MAC**
- **Remote Configuration**
  - Via Web Browser Port 8088
  - Definable "Trusted" IP Range
- **Routing**
  - Static Routing Table
  - Dynamic Routing RIP2 Support
- **Debug Mode**
  - Sends WAN packets into LAN for Scanning
- **Logging/Monitoring (Local/Remote Access)**
  - SNMPv1 Tools Fully Supported
  - SNMP Virtual Server for WAN Access
  - PPPoE Connection Logging

## Features

- **Virtual Servers (12 Predefined)**
- **User Defined Virtual Servers**
  - Definable Incoming/Outgoing Port Ranges
- **Special Applications**
  - Definable Incoming/Outgoing Port Ranges
- **Dynamic DNS Client**
  - Get a Domain Name for your Server on a Dynamic Account!
  - Works with Free/Pay Standard Services
  - Updates IP automatically with Every Change
- **DNS Loopback Support**
  - Access Local Server by Domain Name



## Hardware

- ARM7 Processor - 50mhz
- 4 Megabytes RAM
- 512K Operating System/Program Core (Flash Firmware)
- Over 8mb Bi-Directional Throughput (SDSL Compatible)
- **Network Interface:**
  - Eight 10/100BaseT Switched Ethernet LAN Ports Full Duplex (200mb Thru)
  - **Dual 10BaseT Ethernet WAN Ports w/ Connection Binding**
    - Keep your Network at Full Speed with Heavy Loads Plus, Each WAN Acts as Backup to Other
    - User Configurable Load Balancing Between WANs
  - Backup + Secondary Configuration Port:
    - RS232 Serial Port with 230K Throughput
    - Null Modem Serial Cable Included (for configuration)
    - External ISDN/Analog Modem (Not Included)
    - Automatic Connect Backup Enable/Disable
- Main Configuration via Web Browser - Password Protect
- Free Flash Firmware Upgrades - Via TFTP
- Power: 9v DC 1000mA External Adaptor

## VPN

- **Multi-Session IPsec/PPTP "Pass Through"**
  - Unlimited Tunnels Through NAPT with No Performance Hit!
  - Exclusive to Nexland - Patent Pending
- **Single Session L2TP "Pass Through"**
- **IPsec/PPTP Server Behind NAPT Support**
- **AXENT/Symantec RaptorMobile™ VPN Client Software**
  - Award Winning Performance with 10-User License
  - Personal Firewall for Strengthened LAN Security
  - Compatible with all Standard IPsec Servers & VPN Gateways
  - VPN Data Stays Secure from Application Level
- **IPsec Types Supported (ESP Only):**
  - 1 SPI (Altiga)
  - 2 SPI (Standard... Cisco, Nortel, Symantec/Axent, Checkpoint)
  - Special SPI (Others)
- **VPN Debug Mode**
  - DMZ Client For Troubleshooting/Scanning

Note: The ISB does not have the IPsec client in the router. It passes through IPsec tunnels from computer hardware/software based clients by tracking authentication and communication phases. This allows the IPsec data to remain encrypted from the application level and enhances internal VPN security.

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