
Basic Access Protocols

An End-to-End Solution for Access Equipment Vendors

Demand for cost-effective and technologically advanced access devices is strong and growing. Broadband enabling is increasingly common in both enterprise and SOHO environments, which makes their needs increasingly sophisticated. Their access devices require the most advanced networking and security technologies previously found only in higher-end and more expensive equipment. With growing broadband penetration, equipment manufacturers must now deliver the most advanced and sophisticated technologies at more cost-effective prices.

IP Infusion delivers a complete solution stack that extends from the operating system kernel to the management layer. Using the ZebOS® Basic Access Protocols, equipment manufacturers can rapidly and cost effectively integrate a real-time operating system and network management software into their embedded access devices

Complete Solution

- Residential and SOHO Gateways
- Intelligent TV Set-Top Boxes
- Home Media Servers
- Wireless LAN and WAN Equipment
- Broadband Access Devices
- Network-Enabled Game Consoles

ZebOS Highlights

- Network Address Translation (NAT)
- Inbound and Outbound Access Control
- DHCP Client/Server
- PPPoE Client
- IPv4 and IPv6 Routing (RIP, RIPng)
- Industry-Standard CLI and SNMP Support
- System Logging Support

Technical Specifications

IP Infusion packages its access management software and development tools to best suit the needs of access equipment manufacturers. IP Infusion's ZebOS Basic Access Protocols provide the essential networking, security, and management functionality required for broadband access devices. IP Infusion distributes its turnkey ZebOS Basic Access Protocols in source code format.

To achieve rapid time-to-market, best-of-breed performance, and advanced technology goals, access equipment manufacturers need a complete software solution from a source they can trust. That is why IP Infusion delivers an end-to-end solution for the access equipment market. IP Infusion's routing suites are the premier IP networking products available. This comprehensive solution stack enables development teams to achieve cost-effectively product goals.

Features

IP Networking Support

- IPv4 and IPv6 IP, TCP, UDP, ICMP, ARP, RARP, PPP
- DHCP server and client
- PPPoE client
- DNS client
- RIP and RIPng routing
- Static routing
- Static interface configuration

Security and Access

- Stateful Packet Inspection Firewall
- Network Address Translation (NAT)
- Virtual Server
- Inbound and Outbound Access Control

Management

- Industry-standard command line interface (CLI)
- SNMP management support
- System event logging

Requirements

- ZebOS Network Services Manager
- ZebOS Integrated Management Interface
- ZebOS Integrated Management Interface Shell

Standard Deliverables

- Source code in ANSI-compliant C
- Installation Guide
- Command Line Interface Reference Guide
- Developer Guide
- Configuration Guide