

PRX-200

Traffic Manager

Data Sheet



Application- and User-Aware Traffic Management

The PRX-200 is an effective, powerful and highly reliable system for traffic management in large networks with high data rates. It enables network operators to control the bandwidth usage of undesirable applications like peer-to-peer-based file sharing (P2P), instant messaging (IM) and Voice over IP (VoIP). Traffic of these applications can be blocked, throttled or logged. Regularly updated protocol signatures ensure a reliable application detection. Traffic parameters can be configured per link, per subnet and per IP address. The integrated scheduler enables an automated change of traffic parameters.

Simple Installation and Maintenance

The PRX-200 operates as a transparent bridge with Fast Ethernet interfaces thus providing for a seamless integration into existing network infrastructures with no configuration changes being necessary. It is configured and managed via an intuitive Web interface with an integrated help system, making staff training unnecessary.

Reliability and Security

The PRX-200 features a watchdog-based hardware bypass for link failover in case of a system failure. During a reboot or firmware update, the bypass is automatically activated. An uninterrupted network connectivity is guaranteed at all times. This makes the PRX-200 appropriate for networks with high availability requirements.

As a transparent bridge, the PRX-200 is invisible to normal network users. Remote access is only possible via its Ethernet management interface and can be restricted to the local network.

Updates, Modular Extensions and Customization

The PRX-200e is an entry-level version of the PRX-200 with a maximum full duplex throughput of 100 Mbit/s. If the traffic volume grows beyond this limit, it can be upgraded to a PRX-200 – which has a maximum throughput of 200 Mbit/s – by obtaining and activating an upgrade key.

All traffic managers come with a 1-year or 3-year firmware update service to ensure the continuing effectiveness of the protocol signatures. Support for new protocols is implemented based on their proliferation. Firmware updates are guaranteed for 3 years after end-of-sales of a specific product.

The modular architecture of the PRX-200 allows a flexible extension of its functionality by installing plugin modules. Modules are available for various application classes and advanced administrative functions. Refer to the Modules data sheet for details.

ipoque offers customization services to support functions not yet available in its off-the-shelf products.

Control user bandwidth	Manage P2P, VoIP, Skype, IM
Application-specific usage policies	Integrated bypass
Detailed statistics	Regular signature updates

Specifications

Performance

	PRX-200	PRX-200e
Max. throughput	200 Mbit/s	100 Mbit/s
Max. packet rate	60,000 packets/s	
Concurrent connections	2.5 million tracked	unlimited untracked

Network Interfaces

Bridge	2x 10/100Base-T with hardware bypass
Management	1x 10/100Base-T
Chaining	1x 10/100Base-T for optional management of multiple PRX-200

Management

Web Interface	secure HTTPS access
SNMP	version 1 and 2 IF-MIB support link failure traps
Console	serial DB-9 connector to reset factory defaults
Display	status displays and reset to factory defaults

Statistics

Graphs	link bandwidth per direction; P2P bandwidth per direction; bandwidth per P2P protocol; day, week, month and year;
Utilization table	link volume & bandwidth; P2P volume & bandwidth; bandwidth & volume per P2P protocol; inbound & outbound
Logs	P2P, IM & VoIP connections (depends on installed modules)

Hardware

Core Engine	High-Performance Layer-4+7
Form factor	19" rack mountable, 1U
Dimension (w/h/d)	426 x 43.5 x 431.8 mm
Power supply	100-240V, 50/60Hz, 250W
Color	blue
Weight	9 kg
Certifications	CE / FCC Class A

Plugin Modules

P2P	block, shape and log peer-to-peer-based files sharing
VoIP	block and log Voice over IP (SIP, Skype)
IM	block and log instant messaging
URL	block Web URLs
IP Control	bandwidth management for IP addresses and subnets
Reporting	advanced user- and application-aware traffic accounting