

Panabit PX-42 Intelligent Application Gateway

Product Specification



Product Overview:

Panabit PX-42 is a high-performance, high-availability, feature-rich integrated intelligent application gateway developed independently by Beijing Panabit Software Co., Ltd. It offers simplified management capabilities and meets users' comprehensive needs for high-performance network access, control, optimization, and auditing. It provides users with fine-grained visibility and control over network management, while also offering additional value-added services such as firewall, routing, authentication and billing, internet behavior management, traffic control, intelligent link load balancing, and network big data analysis.

Product Features:



Application-Level Load Balancing

In addition to network-layer load balancing, this feature supports application-layer balancing based on protocols, domains, and service names, providing intelligent routing for smoother access.



Granular Traffic Control

Achieves precise traffic identification and enables flow control targets even in complex network conditions. This grants users fine-grained visibility and controllable network management capabilities.



SD-WAN Networking

Provides a cost-effective branch networking solution with options for business acceleration and encrypted tunnels to meet diverse business requirements, offering a secure and smooth user experience.



Internet Activity Auditing

Provides a 1:1 comprehensive internet activity log and is compatible with Panalog to meet compliance with Regulation 151. This gives users full documentation and insights into network activities and trends.



Integrated Wireless AC

Works with Panabit APs, supporting zero-configuration onboarding, centralized configuration, and optimization. It enables a unified wired and wireless network setup, simplifying enterprise management.



Built-in Threat Intelligence

Provides automatic updates for malicious IPs and domain libraries with alerts, blocking, and logging capabilities to ensure user network security. It prevents access to sites containing malware, phishing, cryptojacking, and more.

Specification:

Form Factor	2U
Network Ports	1 * Gigabit Ethernet Ports 8 * 10 Gigabit Optical Ports
Optional Components	4 * Gigabit optical port modules, 4 * Gigabit Ethernet port modules, 4 * 10-Gigabit optical port modules, 2 * 40G optical port module.
Data Interface Scalability	Expandable with 2 Slots
Other Interfaces	1*Management Port (MGT) 2*USB 2.0 1*Console Port
Power Supply	Redundant Power Supply
Chassis Material	Metal Body
Recommended Concurrent Connections	≤18,000,000
Recommended Bandwidth Throughput	≤40Gbps
User Capacity	≤600,000
Power Consumption	550W
Weight	19KG
Dimensions	440*560*88mm
Environmental	Operating Temperature: 0°C to 45°C Storage Temperature: -40°C to 70°C Operating Humidity: 10% to 85% RH (non-condensing) Storage Humidity: 10% to 85% RH (non-condensing)



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