Panabit AX120 Intelligent Application Gateway Product Specification

Product Overview：

Panabit AX120 is a high-performance, versatile, all-in-one intelligent gateway developed by Panabit on a domestic platform. It offers easy management with built-in features like load balancing, traffic control, SD-WAN, firewall, and internet behavior management. The AX120 enables comprehensive network visualization and precise service quality monitoring, allowing real-time insights into overall network health and meeting the need for fine-grained traffic visibility, control, and auditability.

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.

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.

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.

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.

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.

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：

Device Type	1U
Wired Network Ports	4 x 10/100/1000 Mbps adaptive Ethernet ports 2 x Combo Ports (GE, Optical/Ethernet)
Other Ports	Management port (MGT), USB Console port Reset button
Power Supply	Built-in, single power source
Chassis Material	Metal body
Recommended Concurrent Connections	≤138,000
Recommended Bandwidth Throughput	≤2Gbps
User Scale	≤1500
Power Consumption	12W
Weight	3.5KG
Dimensions	430*300*44mm
Environmental	Operating Temperature: 0°C to 45°C Storage Temperature: -40°C to 70°C Operating Humidity: 10% to 90% RH (non-condensing) Storage Humidity: 5% to 90% RH (non-condensing)

Beijing Panabit Software Co., Ltd.

Address: 1st floor, New Industry Alliance Building, Phase II, Zhongguancun Software Park, Haidian District, Beijing

Website: www.panabit.com

Support Email: support@panabit.com

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