Panabit AX100-4G Intelligent Application Gateway

Product Specification

Product Overview：

Panabit AX100-4G 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 AX100-4G 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：

4G Network Access

Addresses coverage issues in remote areas and emergency scenarios where wired networks are unavailable. Provides disaster recovery link assurance, boosting total bandwidth and network reliability.

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.

Application-Level Assurance

Supports next-generation load balancing based on application protocols, domain names, servers, and refined traffic control, enabling precise service-level management. Enhances network access experience for both internal and external users.

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	Desktop
Wired Network Ports	3 x 10/100/1000 Mbps adaptive Ethernet ports
Other Ports	Management port (MGT) USB Console port Reset button
Wireless WAN	4G
Wireless Network Standards	LTE、UMTS/HSPA+ etc.
4G LTE Max Upload Speed	50 Mbps
4G LTE Max Download Speed	100 Mbps
Wireless Carrier Compatibility	Compatible with all carriers
Power Supply	External, single power source
Chassis Material	Metal body
Recommended Concurrent IPs	≤80
Recommended Bandwidth Throughput	≤500Mbps
VPN Types Supported	Proprietary iWAN Tunnel Protocol IPsec VPN L2TP VPN
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)