Panabit AX50-5G Intelligent Application Gateway Product Specification

Product Overview：

Panabit AX50-5G is a high-performance, versatile, all-in-one intelligent gateway developed by Panabit on a domestic platform. It supports 5G network access and offers streamlined management with features like load balancing, traffic control, SD-WAN, firewall, and internet behavior management. The AX50-5G enables full network visualization and detailed service quality monitoring, providing real-time insights into overall network health and meeting users' needs for fine-grained traffic visibility, control, and auditability.

Product Features：

5G 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.

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.

Specification：

Device Type	Desktop
Wired Network Ports	4 x 10/100/1000 Mbps adaptive Ethernet ports
Wireless WAN	5G
Wireless Network Standards	5G NR etc.
5G NR Max Upload Speed	SA：1 Gbps NSA：575Mbps
5G NR Max Download Speed	SA：2 Gbps NSA：2.2 Gbps
4G LTE	Compatible
Wireless Carrier Compatibility	Compatible with all carriers
Other Ports	Management port (MGT), USB, Console port Reset button
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)