

# iKOOLCORE x Panabit Co-Branded Intelligent Application Gateway R2

## Product Specification



### Product Overview:

iKOOLCORE x Panabit Co-branded Intelligent Application Gateway R2 is a high-performance, highly available, feature-rich integrated smart application gateway device jointly developed by iKOOLCORE and Panabit. This device provides simplified management functions, along with features such as load balancing, traffic control, SD-WAN, firewall, and internet access behavior management. It enables comprehensive network visualization, detailed service quality inspection, and real-time monitoring of overall network quality, meeting users' core needs for fine-grained visibility, control, and auditability of network traffic.

### Product Features:



#### Sleek and Compact Design

Ultra-compact size of 7.5 x 7.5 x 5.2 cm with a full metal body. Features a patented unique exterior design crafted through CNC machining, metal sandblasting, and anodizing processes.



#### Flexible SD-WAN Networking

Dual tunnels with IPsec & iWAN establish a secure and stable virtual private network. Patented iWAN technology enables flexible deployment with one-click network access anytime, anywhere.



#### Million-level Threat Intelligence

Built-in threat intelligence detection engine that can load millions of threat intelligence entries, with support for third-party commercial intelligence integration. Provides real-time monitoring and identification of various network threats for network security.



#### Powerful Hardware Performance

Equipped with 12th Gen Intel processor, high-speed LPDDR5 memory, NVMe SSD, and a high-speed 2.5G network card to handle various high-demand network tasks with ease.



#### 4000+ Route Load Capacity

Supports up to 4000+ application-level routes, enabling kilobyte-level application slicing and diversion. Optimizes traffic while reducing link costs, ensuring key business continuity.



#### Granular Traffic Control

Layer-7 granular traffic management with bidirectional traffic control allows flexible control and adjustment of network traffic as needed, enabling efficient allocation and management of network resources.

## Specification:

<b>Form Factor</b>	Desktop
<b>Device Ports</b>	3*2.5G Ethernet Ports
<b>Management Ports</b>	1*Management Port (2.5G Ethernet Port)
<b>Other Interfaces</b>	2 *USB Ports 1 *USB-C Port 1 *HDMI Port 1 *Power Port 1 *Audio Output Port
<b>Chassis Material</b>	Metal Body
<b>Recommended Concurrent IPs</b>	≤300
<b>Concurrent Connections</b>	≤50,000
<b>PPS</b>	≤5,000,000 (Data based on single bridge link, tested by RFC2544)
<b>Device Management</b>	Supports web-based management, unified management through Panabit Cloud Platform, etc.
<b>Power Supply</b>	12V / 3A External Power Supply, supports TYPE-C port
<b>Dimensions</b>	7.5*7.5*5.2cm
<b>Net Weight</b>	420g (Main unit), 850g (with packaging)
<b>Environmental</b>	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](http://www.panabit.com)

Support Email: [support@panabit.com](mailto:support@panabit.com)

\*The content in this document is the property of Beijing Panabit Software Co., Ltd. Panabit reserves the right to modify the contents of this document without prior notice to clients.