

# QAX ICG

## Internet Control Gateway

### Overview

The Internet Control Gateway is a software and hardware integrated control management product for government and enterprise customers. It can manage the online behavior of employees in the enterprise, protect Web access security, reduce the risk of enterprise Internet use, avoid corporate confidential information leakage, improve the work efficiency, prevent and restrict P2P and other applications that seriously consume bandwidth, and protect the core business bandwidth.



### Core Functions

Features	Description
Internet safety	Combine with QAX cloud big data, perform real-time cloud/ malicious URL anti-virus to ensure online security
Web filtering	Control network access behavior through keyword filtering
Application control	Block various applications, time limit, and traffic limit
Data leakage	Manage and control external distribution channels (applications), file types, sizes, contents
Business protection	Intrusion protection, virus protection and sandbox detection
Content audit	Conduct content audit and filtering on forums, blogs, emails, and IM
Bandwidth management	Limit high-bandwidth applications such as P2P, guarantees the bandwidth of key business applications such as OA office and mail
User Authentication	Support the identification of Internet users through IP/MAC and user name; local authentication methods such as Portal, WeChat, SMS, and QR code. Supports linkage with a variety of third-party systems to achieve single log in
Shared control	Locate private network users, control shared access endpoints, manage network access permissions
Internet proxy	Logically separated internal network and the Internet, IP hiding, eliminate the possibility of direct attacks from Internet

### Product Features

#### Efficient Content Processing Architecture

- Parsing the protocol and content, matching all functions at one time, solving the problem of performance degradation from the architecture level.

#### Flexible User Identification

- With more than 30 authentication and identification methods, realize accurate identification and verification of user identity.
- Processing capacity of a single machine with up to 200,000 concurrent users.

#### Comprehensive SSL Decryption

- Decryption of mainstream applications such as HTTPS/SMTPS/POP3S/IMAPS.
- Perfect decryption protocol algorithm adaptation, covering all mainstream protocols and algorithms (including tls1.3, etc.)
- Encrypted URL classification library.

#### Abundant Security Inspection

- Integrating QI-ANXIN threat intelligence detection, cloud virus and malicious URL database.
- Complete three-tier security protection system.

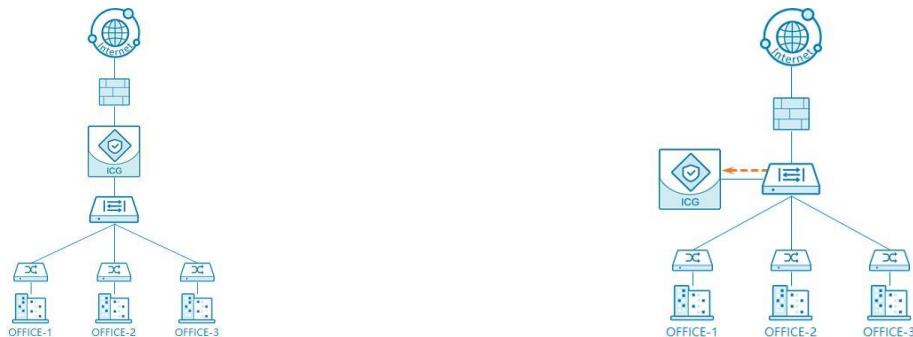
#### Leading URL&Application Protocol Database

- With a total scale of more than 220 million
- 21 URL categories, 133 subcategories
- Combine automatic classification with manual review
- Contains 11,000+ network applications and sub-applications
- 4900+ mobile applications
- Three-level sub-application classification, fine-grained and refined control (such as allowing QQ chat and games, but prohibiting QQ file transfer).

#### Perfect Audit

- Thousands of applications such as mainstream webmail, forums, search, network disks, file servers, and IM.
- 3000+ forum features, search features and virtual identities and other audit features.

## Typical Deployment



## Hardware Specifications

Product Model		NI3200-45	NI5300-30	NI7300-30	NI7200-71
Performance Specifications	Maximum Bandwidth	200M	800M	2.5G	10G
	Maximum Users	1500	10000	35000	100000
	Maximum Concurrent Connections	160,000	600,000	120,000,0	400,000,0
	Maximum New connections	26,000/S	40,000/S	90,000/S	150,000/S
Hardware Configuration	Default NICs	6 GE	6 GE		
	Expansion Slots	1	2	4	4
	USB Ports	2	2	2	2
	RS232 Serial Port	√	√	√	√
	Hardware Bypass	√	√	√	√
	Hard Disk Size	1T	1T	1T	2T
	AC Voltage	110~240V	110~240V	110~240V	110~240V
	Maximum power	60W	250W	300W	820W
Others	Redundant Power Supply	✗	✗ (Optional)	✓	✓
	Size (W*D*H mm)	440*330*44	440*560*89	440*540*88	440*560*88
	Height	1U	2U	2U	2U
	Working Temperature	0°C - 45°C	0°C - 45°C	0°C - 40°C	0°C - 45°C
	Working humidity	20%~90%RH	20%~90%RH	20%~85%RH	20%~90%RH

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