

# Genian NAC

Next-Gen Network Access Control for the IoT era

Genians has reimaged Network Access Control to maximize network security and IT operational effectiveness by leveraging its distinct Device Platform Intelligence (DPI).

Provides extremely accurate IT asset identification/classification based on its robust DPI, which allows for the full interrogation and gathering of all device platform information, combining technology-specific with business-contextual and risk-level data.

### Device Platform Identity

- The name of Device Platform consists of manufacturer, device name, model number
- The actual picture of the device platforms
- The list of device fingerprinting sources
- Network connection type (Wired, Wireless)
- Released Date

### Device Platform Context

- Product end of life (EOL)
- Product end of support (EOS)
- Manufacturer business status
- Manufacturer location (Country)
- Manufacturer homepage

### Device Platform Risk

- Common Vulnerabilities and Exposures (CVE)
- Report manufacturer/vendor going out of business or being acquired, which can introduce systems that cannot be upgraded or patched

Delivers all-in-one solutions that encompass both IT security and operations management very effectively.

- Network Surveillance
- Network Access Control
- Mobile, BYOD, Guest Management
- IP Address Management (IPAM)
- Switch Port Management
- WLAN Security
- Endpoint Security
- IT Security Automation

Integrates a wide range of IT security and business solutions (Firewall, IDS/IPS, VM, MDM, SIEM, APT, DLP, CMDB etc.) into each enterprise's Policy Server to ensure unified policy enforcement. Genian NAC supports custom integration using Syslog, Webhook, REST API, and Syslog.

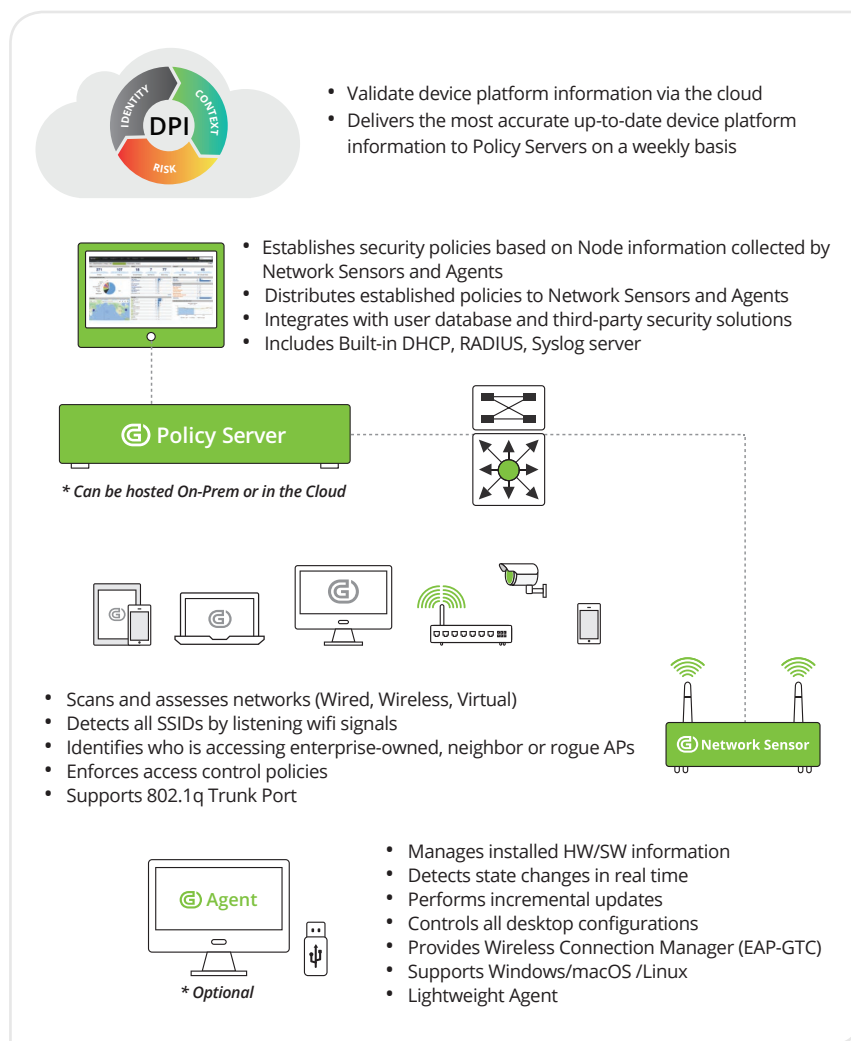
Monitors your network through personalized dashboards (Over 100 custom widgets to meet your network management needs).

Performs compliance checks in real-time to ensure that all connected devices are automatically identified, classified, authorized, and given policy-based access control to ensure the highest levels of IT security, availability, and resilience.

## ARCHITECTURE

Completely out-of-band, Highly scalable

Genian NAC uses Layer 2 based non-disruptive sensing technology powered by its Device Platform Intelligence.



You can install the Policy Server and Network Sensor software in either your Virtual or Physical machines (Intel Xeon or equivalent).

## EDITIONS & VERSIONS

You Choose, We Deliver

Choose the edition that best meets your business requirements. Upgrade between editions as your network evolves without losing your original investment. The editions can be delivered in 3 different ways:

	BASIC Network Surveillance	PROFESSIONAL Network Access Control	ENTERPRISE Automation
<b>On-Premises</b>	Free up to 300 devices*	30 days free trial	Contact a Genians Partner
<b>Cloud-Managed</b> <i>Policy Server in the Cloud</i>	30 days free trial Support up to 3,000 devices*		
<b>CSP-Ready</b> <i>NAC as a service</i>	Contact Genians		

\* Only count the number of active devices

### Network Surveillance

\* Agent required

#### Device Information

- Device name
- Platform name
- Node Type
- Connection status
- Authentication status
- NAT Device

#### Device Lifecycle

- Actual device image
- Manufacturer name
- Manufacturer Headquarters
- Manufacturer Business Status
- Common Vulnerabilities and Exposures (CVE)
- End of Sales / Support

#### User

- Username
- Account info
- Contact info
- RADIUS Authentication

#### Network

- MAC/IP (IPv4 / IPv6)
- Hostname / Domain
- DNS Name
- NIC Vendor
- SSID
- Connection Type
- Switch Port
- Traffics
- TCP Connections
- Services
- Open Port

#### Anomaly

- ARP spoofing
- ARP bombing
- MAC/IP cloning
- Invalid Gateway
- Ad Hoc Network
- Port Scan
- Unknown Service Request

#### Security\*

- Compliance status
- OS Patches and Updates
- Antivirus
- Firewall
- Screen Lock
- Password Check
- Logs

#### Hardware Installed\*

- Motherboard
- CPU
- Memory
- Hard drives / Storage size
- NIC (Wired, Wireless)
- Operating System

#### Peripherals\*

- USB Devices
- Monitor, Printer

#### Operating System\*

- Type
- Version
- Languages
- Sharing folders
- Web browser
- WMI status

#### Software installed\*

- Name
- Version
- Installed date
- Installed path
- Detected date
- Removed date

### Network Access Control

#### IP Address Management Policy

- Trusted IP/MAC lifetime management
- Block IP changes, Prevent IP conflicts

#### Classification & Enforcement Policy

- Node Group: Dynamic Group using over 500 Conditions
- Define network access rule per each node group (Node group + Permissions)
- Permissions: Network range, Services, Time

#### Multi-layered Enforcement Method

- Layer 2: ARP Poisoning (Network Sensor)
- Layer 3: TCP reset (Mirror Sensor)
- Layer 3: Inline enforcer (Dual-homed Gateway)
- Endpoint: Agent-based control
- 802.1x: Built-in RADIUS server
- DHCP: Built-in DHCP server
- Switch: Port shutdown (SNMP)

### Desktop Configuration Management\*

- Change Computer Name
- Check Password Validation
- Collect System Information Using WMI
- Configure Windows Security Settings
- Control OS Updates (Works for isolated network)
- Configuring 802.1X Wired Authentication Profile Settings
- Control Antivirus Software Settings
- Control DNS
- Control External Device (e.g. USB, Printer)
- Control Internet Explorer Security Settings
- Control Network Folder Sharing / Interface / Traffic
- Control Power Options, Screen Lock
- Provide Wireless Connection Manager (Zero configuration)
- Control WLAN
- Deploy Files
- Inspect TCP Connections
- Manage ARP Table
- Install / Remove softwares
- Run Script
- Terminate Process

## TOGETHER, MORE SECURE.

Over 1,100 happy customers around the world trust Genian NAC Solution to maximize their network security and IT operational efficiencies



#### East Asia

ACE Pyeongchon Tower, 8th floor  
361 Simindaero, Dongan-gu Anyang-si  
Gyeonggi-do, South Korea

geni@genians.com  
+82-31-422-3823

#### North America

50 High Street, Suite 45  
North Andover, MA, 01845  
United States of America

hello@genians.com  
+1-617-307-4090