

NAT-102/108 Series

Make Complex IP Management a Thing of the Past

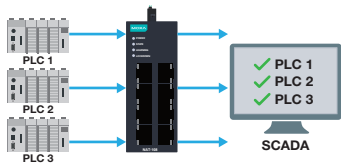
Securely Manage More IP Addresses With Less Effort



With the rise of IIoT and Industry 4.0, production systems are moving towards a future where all devices are seamlessly connected. Data from all production processes needs to be available in real-time. This means all these systems need to be connected to a centralized management system. However, integrating new network devices into existing infrastructure is a big challenge. Performing IP configurations is complex and error-prone, and security vulnerabilities are always a concern.

Moxa's **NAT-102/108 Series Network Address Translation (NAT)** devices are designed to simplify the IP configuration of machines in existing network infrastructure and provide basic cybersecurity protection for factory automation environments.

Why the NAT-102/108 Series



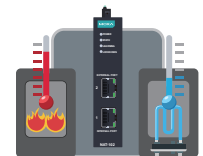
Seamless communication with SCADA systems even if multiple PLCs share the same LAN IP¹



User-friendly NAT functionality simplifies network integration



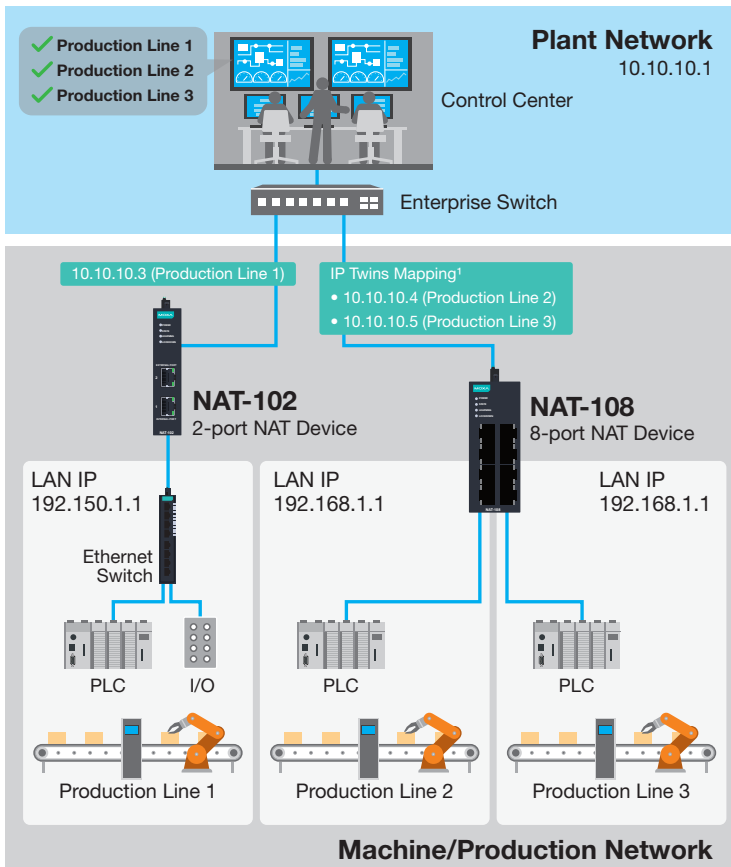
Hands-free network access control to protect internal networks



Industrial-grade design ideal for deployment in harsh environments

How the NAT-102/108 Series Can Help You

Devices on the factory floor are generally isolated from the Internet. When connecting to an external control center, managing IP addresses for all these devices can be challenging due to a small pool of usable external IP addresses, and automation professionals being unfamiliar with IP configurations. In addition, some of the PLC machines share the same default LAN IP, making manual reconfiguration even more challenging for network administrators to identify a specific PLC. As a result, when redesigning facility network connections for centralized management or when adding new machines, network administrators often encounter network disruptions caused by IP address conflicts.



System Integrators

Is configuring and managing the IP addresses of individual devices taking up a lot of time and resources? Is setting up network access control giving you headaches?

With the NAT-102/108 Series, you can:

- Ensure seamless SCADA communication even for PLCs with identical LAN IPs using IP Twins Mapping¹
- Simplify IP address management without the need for in-depth IP networking knowledge
- Dynamically change the existing network topology for production line expansions
- Ensure network access control to prevent potential cybersecurity threats

Machine Builders

Are you spending a lot of time manually configuring each machine before delivering it to customers?

With the NAT-102/108 Series, you can:

- Ensure seamless SCADA communication even for PLCs with identical LAN IPs using IP Twins Mapping¹
- Simplify IP configurations for devices installed inside machines
- Enable customers to integrate machines into field infrastructure more efficiently
- Provide customers with streamlined network access control

¹For the NAT-108 Series only. Supports up to 3 devices with an identical LAN IP.