antaira®

Industrial NAT Routers:

Bridging the Gap Between Security and Efficiency

The Basics of NAT in Industrial Networking

OVERVIEW:

From manufacturing and automation, to transportation and energy, industrial networks have revolutionized the way we process control systems and operational data. However, these advancements in technologies have also led to greater needs for system controls, visibility, and separation of networks for specific data processing and applications.

To help administrators manage industrial networks, the development of specialized hardware such as "Industrial Network Address Translation (NAT) Routers" are needed. Industrial NAT routers play a critical role in providing managed communications to applications and processes between networks while still maintaining the integrity of security policies and network segmentation.
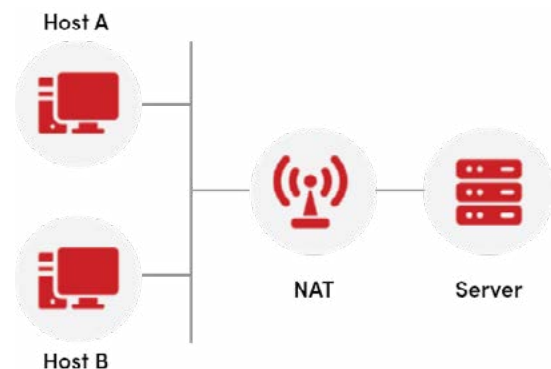
Industrial NAT routers are designed for:

- 1 to 1 IP address translations from separated networks
- Communication with multiple devices using a single IP address
- Direct specific incoming network traffic from another network
- Light firewall capabilities
- Simple routing features
- OpenVPN with the ability to connect to Antaira's ConnectVPN for global access

When the source of communication functions on one network but the application is part of another, industrial NAT routers can help bridge the gap.

Antaira's dual Ethernet ports provide physical interconnection points for each network, while acting as a bridge, creating a path to forward data. The built-in firewall settings give administrators control over who can access and manage the router while the light routing capabilities allow one to forward traffic to upstream networks.

Antaira's industrial NAT routers can also act as an OpenVPN client which allows it to connect to the Antaira ConnectVPN server. In applications where remote access to a system is important or required, this feature is extremely useful. Once the router is connected to the Antaira ConnectVPN server, access to the connected network is securely available to authorized connections worldwide.

Antaira's Product Showcase – Industrial NAT Routers

INDUSTRIAL WIRELESS ROUTERS

ARS-7131 Series

Industrial 802.11a/b/g/n WiFi Access Point / Client / Bridge / Repeater / Router

ARS-7235-PSE-AC Series

Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point / Client / Bridge / Repeater / Router / VPN / NAT with PoE+/PSE Port (30W)

ARS-7235-5E-AC Series

Industrial 5-Port Gigabit Ethernet with Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point / Client / Bridge / Repeater / Router / NAT / VPN

ARS-7235-PD-AC Series

Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point / Client / Bridge / Repeater / Router / NAT / VPN with PoE / PD Port

ARS-7235-AC Series

Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point / Client / Bridge / Repeater / Router / NAT / VPN

Read More About Our Industrial Wireless Routers

INDUSTRIAL ROUTERS

LRX-0200 Series

Industrial Router with VPN/NAT without Wireless Capabilities

Read More About Our Industrial Routers

V3.1.2.5.1

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