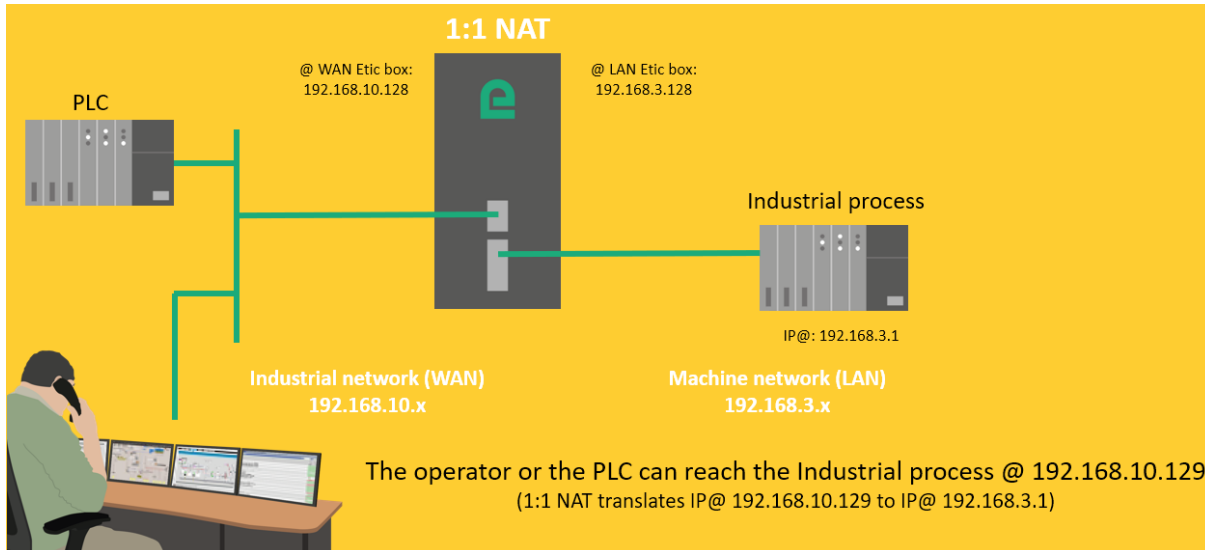


Application note

Starting with 1:1 NAT

- The 1:1 NAT solution
- Configuring the @IP WAN
- Configuring the @IP WAN
- Configuring the 1:1 NAT
- Hotline support during your test
- Virtual showroom

Latest update **09/14/2018**



1) THE 1:1 NAT SOLUTION

The 1:1 NAT solution simply interconnects a machine to an industrial network without changing the factory IP address of this machine.

It is sufficient to insert between the machine and the rest of the industrial network an IPL / RAS configured for an address translation.

2) CONFIGURING THE IP@ WAN

In the « Setup » section, select « WAN interface » and give to the Etic Telecom router an IP address which is available in the Industrial network (for example: 192.168.10.128)

The screenshot shows the configuration page for the WAN interface. The breadcrumb trail is > Home > Setup > WAN interface. The left sidebar shows the navigation menu with 'Setup' expanded to 'WAN interface'. The main content area is titled '> Home > Setup > WAN interface' and contains the following configuration options:

- WAN type:** Ethernet
- Ethernet WAN port configuration:**
 - Speed / duplex: Autonegociation
- IP configuration of Ethernet WAN:**
 - Connection type: Ethernet
- WAN interface: connection to an Ethernet network:**
 - Ethernet WAN priority: High
 - Obtain an IP address automatically:
 - IP address: 192.168.10.128
 - Netmask: 255.255.255.0
 - Gateway: (empty)
 - Obtain DNS servers addresses automatically:
 - Enable address translation (NAT):
 - Enable proxy ARP:

3) CONFIGURING THE IP@ LAN

In the « Setup » section, select « LAN interface » => « Ethernet and IP » and give to Etic Telecom router an IP address which is available in the Machine network (for example: 192.168.3.128).

The screenshot shows the configuration page for the LAN interface. The breadcrumb trail is > Home > Setup > LAN Interface > Ethernet and IP. The left sidebar shows the navigation menu with 'Setup' expanded to 'LAN Interface'. The main content area is titled '> Home > Setup > LAN Interface > Ethernet and IP' and contains the following configuration options:

- Ports configuration:**
 - Enable hub mode:
- LAN network:**
 - IP address: 192.168.3.128
 - Netmask: 255.255.255.0
 - Default gateway: (empty)

4) CONFIGURING THE 1:1 NAT

In the « Setup » section, select « Network > 1:1 NAT > Add/Edit a 1:1 NAT rule » enter the 2 IP@ to set up the translation (ex: @ 192.198.10.129 translated to @ 192.168.3.1).

> Home > Setup > Network > 1:1 NAT > Add/Edit a 1:1 NAT rule

Page has unsaved changes

Enabled	<input checked="" type="checkbox"/>
WAN on which apply the rule	Ethernet WAN ▼
WAN IP to add	192.198.10.129
LAN IP to map on WAN	192.168.3.1

5) HOT LINE SUPPORT DURING YOUR TEST

Feel free to contact +33 4 76 04 20 05 or hotline@etictelecom.com.

6) VIRTUAL SHOWROOM (AVAILABLE FROM THE WEBSITE HOME PAGE)

By surfing on our WEB site www.etictelecom.com (Support/Virtual Showroom) you can learn how to configure most of our products.

The following login and password may be requested: login: "etic", password: "demo".

The screenshot shows the Etic Telecom website's virtual showroom. At the top, there is a navigation bar with the Etic Telecom logo, a menu with items like 'Qui sommes-nous?', 'Produits', 'Solutions', 'Support', 'Actualités', 'Contact', and an 'Espace client' button. Below the navigation bar, there is a green banner with the text 'SHOWROOM VIRTUEL' and 'Accédez à l'ensemble des produits Etic Telecom.' Below the banner, there are two dropdown menus. The first is labeled 'Sélectionnez une gamme de produits' and has three options: 'Boitiers d'Accès Machines (gamme RAS)', 'Routeurs (gamme IPL)', and 'Extenseurs d'Ethernet (gamme XS+)'. The second is labeled 'Sélectionnez un produit' and has two options: 'IPL-E / Routeur Firewall pour Intranet' and 'IPL-DAC / Routeur ADSL avec backup Cellulaire'. At the bottom of the page, there is a footer with the Etic Telecom logo, the address '13, chemin du Vieux Chêne 38240 Meylan', the phone number 'Tél. 04 76 04 20 00', the fax number 'Fax. 04 76 04 20 01', and the website URL 'www.etictelecom.com'.