The NoriGate –
your powerful IoT Gateway

How to unlock the power of NoriGate

Description

The NoriGate is a powerful IoT gateway including site controller software for secure, central data collection of your machine data. Thanks to an extensive pre-installed interface library, all common PLCs, individual sensors or OPC-UA networks can be Plug & Play connected via a LAN cable. The collected data is time-stamped, standardized and encrypted before being transferred to the central data storage NoricanHub.
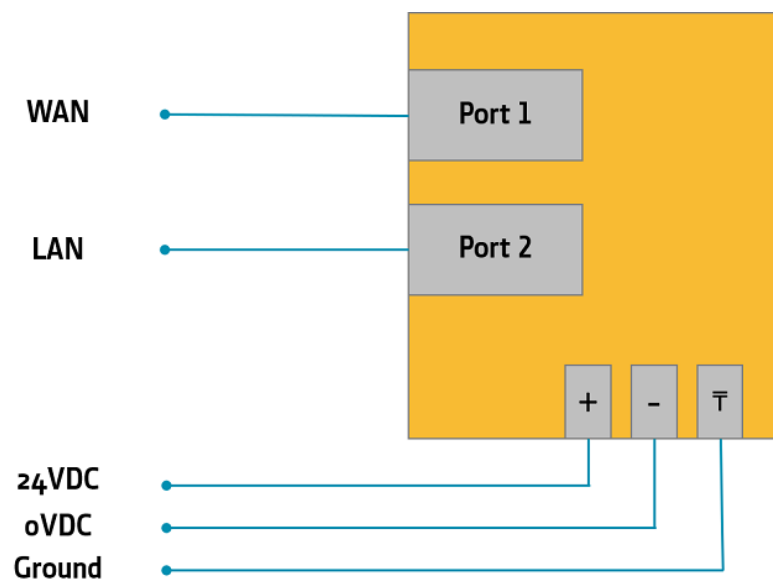
Parts

The NoriGate (item no. 11414522) consists of following parts:

Pos.	Description	Quantity
Parts		
1a	NoriGate S + Wall bracket	1
1b	DIN Rails Adapter	1
1c	Screw– 2,5 mm diameter	4
1d	Three-pole pin-connector	1

Drawing

The NoriGate connection diagram:

Installation

The installation requires following tools and parts:

Pos.	Description	Quantity
Tools		
T1	Screw driver - 2.5 mm diameter head	1
T2	Crimping tool	1
T3	Wire stripper	1
Parts		
5	Ethernet cable 2m, Cat6	1
6	Stranded hook-up wire for plus – blue, 2m	1
7	Stranded hook-up wire minus – red, 2m	1
8	Stranded hook-up wire for ground – yellow-green, 2m	1

Note: We recommend supplying the NoriGate with uninterrupted external power to avoid influence the machine control system.

1.   Unpack the box and check the contents according to the section Parts.

Fig 1: Contents of the NoriGate box

2.   The NoriGate can be wall- or DIN rail mounted. Mount the bracket needed for the installation location.

Fig. 2: NoriGate with assembled DIN rail adapter   Fig 3: Three-pole pin adapter

> Note: The serial number of the NoriGate is located on the back surface of the device. Insert the three-pole pin-connector to the NoriGate.

3. Wall- or DIN rail mount the NoriGate and note the installation direction. The LED indicator lights must be in the upper left corner.

Fig. 4: Direction of NoriGate

4. Supply the NoriGate with **24**VDC electricity (Note: max. load is **2.5** ampere). The signs are indicating the plus (+), minus (-) and ground potentials, see fig. **3**.

    Note: We recommend supplying the NoriGate with uninterrupted external power to avoid influence the machine control system.

5. Connect the LAN cable for Internet connection to the Port **1** and connect the LAN cable coming from the data source (PLC, database, sensor etc.) to the Port **2**. It is important the cables are connected to the correct ports.

Fig. 5: Ethernet ports

6. Turn on the power supply to the NoriGate and check power LED (pow) is on.

7. The NoriGate requires an DHCP internet connection using Port **443** (Standard https-port) to support and configure it remotely. Once the device is online, it can be reconfigured remotely by technical support to a static IP of your choice.

8. Get in contact with Norican Digital Lab (nd-support@noricangroup.com) and/or your local service support to confirm the device is online.