

# Anybus .NET to PROFINET INSTALLATION SHEET



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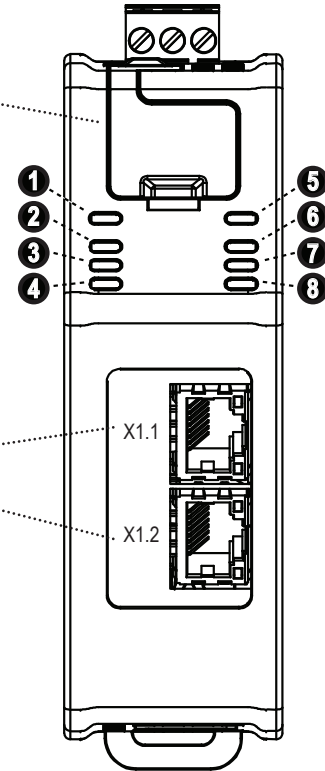
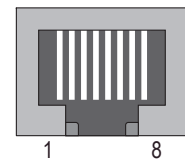
SP2064, rev 1.00, Feb 2016. AB9077-B. [www.anybus.com](http://www.anybus.com)

## Module Front

USB port:  
 Connect a PC to the USB port  
 for firmware upgrades.

PROFINET  
 Connector:

Pin no	Description
1	TX+
2	TX-
3	RX+
6	RX-
4, 5, 7, 8	Termination



## LEDs: Gateway and IT Network

No	Name	Indication	Meaning
1	(OT) OT Status	Off Green	Power off Connection to PLC
5	(IT) IT Status	Off Green Flashing green	Power off Connection to IT No connection to IT system
6	Not used	-	-
7	(LA1, LA2) Ethernet Link 1 & 2	Off Flashing green	No link Receiving/transmitting Ethernet packets at 100 Mbit
8		Flashing yellow	Receiving/transmitting Ethernet packets at 10 Mbit

## LEDs: PROFINET Network

No	Name	Indication	Meaning
2	Not used	-	-
3	(NS) Network Status	Off Green Flashing green	No connection Online (RUN): Connection established, IO controller in RUN state Online (STOP): Connection established, IO controller in STOP state
4	(MS) Module Status	Off Green Green, two flashes Red Red, one flash Red, two flashes Red, three flashes Red, four flashes	Not initialized Normal operation Used by engineering tools to identify the module on the network Fatal error Configuration error IP address error Station name error Internal error

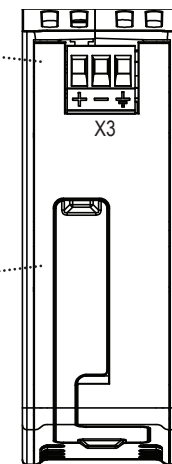
## Installation and Startup Summary

- Download IPconfig from [www.anybus.com](http://www.anybus.com) to a PC.
- Turn on the module (+24 V DC).
- Connect the PC to the module via one of the bottom gateway network connectors (X2.1 or X2.2). Use IPconfig to set a fixed IP address or enable DHCP.
- Attach the Anybus .NET gateway to the DIN-rail.
- Connect the module to the PROFINET network.
- Configure and start the PROFINET network.

## Top View

Power:  
 (+) +24 V DC  
 (-) GND  
 (⊕) PE

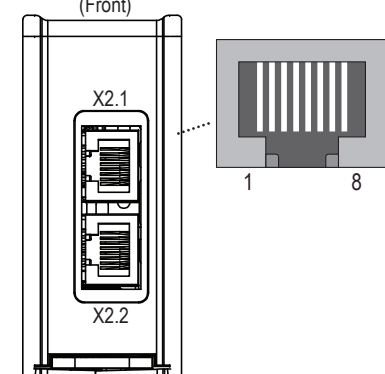
SD card slot:  
 (Not used)



## Bottom View

IT Network Connector:

(Front)



Pin no	Description
1	TX+
2	TX-
3	RX+
6	RX-
4, 5, 7, 8	Termination

## Technical Details

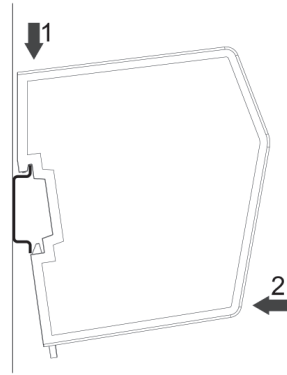
- Power supply:  
 24 V DC (-15% to +20%).
- Power consumption:  
 Maximum power consumption is 300 mA @ 24 V DC.  
 Typical power consumption: 150 mA @ 24 V DC.
- Surrounding temperature  
 70 degrees C @ 225 mA @ 24 V DC.
- Protective Earth (PE):  
 Internal connection to PE via DIN-rail or, if the DIN-rail can not be used, via the power connector.  
**Note:** Make sure the DIN-rail is properly connected to PE.

For maintenance and support, contact the HMS support department. Contact information is available at the support pages on [www.anybus.com](http://www.anybus.com).

Further information and documents about this product can be found at the product pages on [www.anybus.com](http://www.anybus.com).

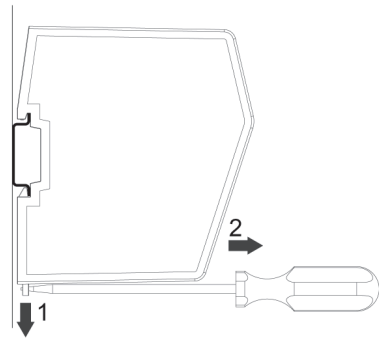
# Anybus .NET Gateway INSTALLATION SHEET

## DIN-rail Mounting



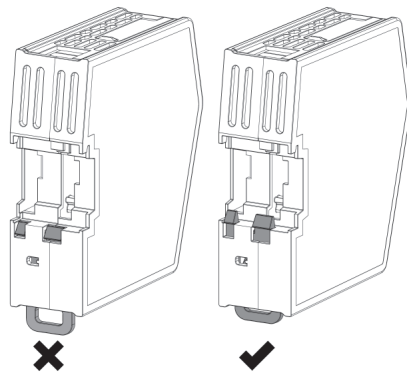
Ensure that the DIN-rail fastening mechanism on the back of the module is in a fixed and closed position, i. e. that it is pushed all the way up.

To mount the module, first hook it on to the DIN-rail (1), then push it against the DIN-rail to make it snap on (2).

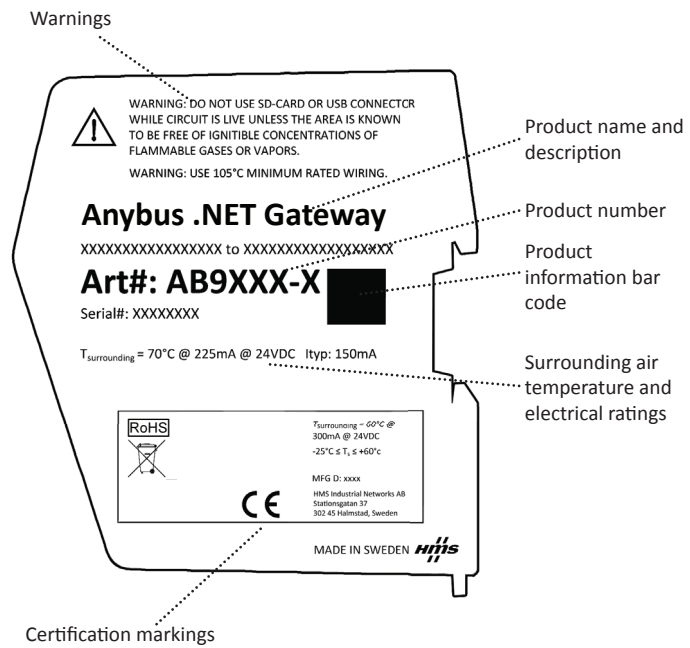


To unmount the module, use a screwdriver to push the DIN-rail fastening mechanism on the back of the module down until it locks in a fixed and open position (1). Then unhook the module from the DIN-rail (2).

**Note:** Do not leave the module with the DIN-rail fastening mechanism in a fixed and open position. This may cause unnecessary wear on the fastening mechanism, so that it cannot be used efficiently. Be sure to push the DIN-rail fastening mechanism back into the fixed and closed position after unmounting the module, with reference to the picture below.



## Label Markings



## EMC Compliance (CE)



This product is in accordance with the provisions of Swedish law to the Electromagnetic Compatibility Directive 2014/30/EU (EMC):

- **EN 61000-6-4 (2007)**  
**Emission standard for industrial environment**  
EN 55016-2-3, Class A (2010)
- **EN 61000-6-2 (2005)**  
**Immunity for industrial environment**  
EN 61000-4-2 (2009)  
EN 61000-4-3 (2006)  
EN 61000-4-4 (2012)  
EN 61000-4-5 (2014)  
EN 61000-4-6 (2014)

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Further information and documents about this product can be found at the product pages on [www.anybus.com](http://www.anybus.com).