eibPort LAN and
eibPort LAN/ISDN

ABB i-bus® EIB

Intelligent Installation Systems

Monitoring and controlling buildings.

In conjunction with an eibPort LAN and/or eibPort LAN/ISDN, the many possibilities of the ABB i-bus® EIB can now be used at any time and from any location. In residential and functional buildings, this helps to save costs, time and energy, and ensures more comfort, safety and economy. The current status of a property can be monitored and controlled, and the consumers can be accessed via both the Ethernet (e.g. LAN) and the ISDN network. The eibPort, which is connected to the ABB i-bus® EIB, passes on the information on connected consumers direct to PC, mobile phone or other communication channels. From there, direct access is possible from a distance.

At any time and from any place.

Rapid connection for more comfort, safety and economy.

Overcome distances and save time and costly travelling – with the eibPort LAN and/or eibPort LAN/ISDN it's easy. Complex monitoring and control tasks in functional or residential buildings can be handled conveniently from a distance.

Technical data	
Operating voltage	10–30 V DC
Power consumption	< = 5 VA
Bus voltage	via the EIB
Time buffer in event of bus voltage failure of max. 0.5 h	
Data buffer in Flash-ROM	
Climate-resistant	as per EN 50090-2-2
Ambient temperature	0–40 °C
Storage temperature	–20 – +70 °C
Relative humidity (non-condensing)	5 %–80 %

Mechanical data	
Dimensions	Series installation unit
	(Width 8 MDRC modules of 18 mm)
Housing	Plastic
Weight	approx. 0.3 kg
Assembly	Tophat rail as per EN 50022-35x7.5
Protection	IP20 (as per EN 60529)
Operating system	Embedded Linux
Interfaces	
EIB	via bus terminal
Ethernet	via RJ45 socket
ISDN	via RJ45 socket
Software	Integrated browser visualisation Integrated commissioning software
Memory	16 Mbyte RAM
EIB data points	Administration of all EIB-group addresses
EIB memory	History memory (20,000 telegrams)

The eibPort LAN/ISDN connects the ABB i-bus® EIB with the LAN and the Euro ISDN network.

Features

- Visualisation
- Clocks
- Callup of Netcams
- Logic
- Communication SMS and WAP
- iETS server
- Data collector

Applications

for automation:
- Clocks
- Week timer/ Annual timer
- Logic
- Scenes

for monitoring :
- Visualisation
- Data collector
- Netcam
- SMS

for remote switching:
- Visualisation
- WAP

for maintenance:
- Communication
- Data collector
- iETS server

Visualise systems and rooms on the PC. Access power consumers in buildings directly.

It all depends on the right connection. With the eibPort LAN/ISDN, which is connected to the PC and ABB i-bus® EIB, system statuses can be monitored on the screen and connected consumers such as heating and lighting can be regulated and newly parametered. Camera pictures additionally increase security in private houses and other buildings. Safety risks such as fires and floods are therefore minimised.

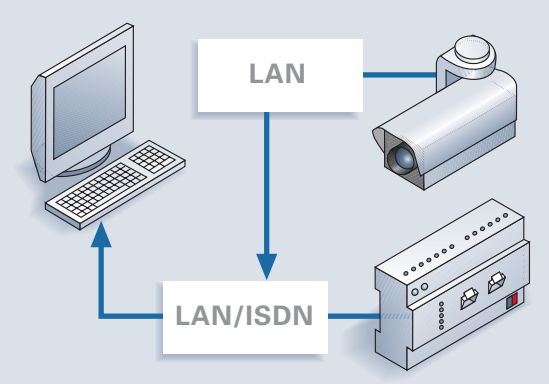
Integration of cameras

Set-up
A PC is connected via the intranet or via a remote data transmission connection (ISDN) to the eibPort. In addition, there are one or more cameras in the intranet which have their own IP address.

Function
The eibPort activates the camera installed in the intranet and creates a connection.

Advantages
The camera pictures can be transmitted not only via the intranet but also via ISDN. Real monitoring of the building from a distance is thus possible, e.g. in the event of a smoke alarm the cause can be determined.

Target groups



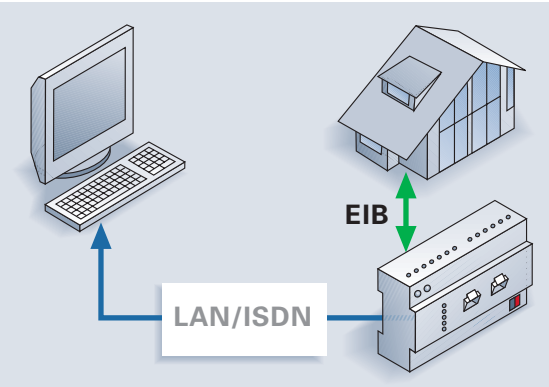
Factory protection
Operators

Remote visualisation/monitoring

Set-up
A PC is connected via the intranet or via a remote data transmission connection (ISDN) to the eibPort LAN/ISDN. The eibPort LAN/ISDN is connected to the EIB.

Function
The eibPort LAN/ISDN is equipped with a Web server and contains a series of Java Applets. These can be called up and edited via the browser and permanently stored in the eibPort. The following functions are available:
- Switching
- Dimming
- Blinds
- Room temperature regulator
- Camera pictures
- Fault message

Advantages
Apart from a standard Internet browser, no other software is required. The eibPort LAN/ISDN allows simultaneous access to several PCs. All PCs access the same information in the eibPort. Each PC sees the current project. Functions carried out by another user can be seen online by every other user.



Target groups
Electrical fitters
End customers

The use of cameras in conjunction with the eibPort LAN/ISDN for remote monitoring of properties is suitable both for private buildings and functional buildings.

Minimise risks. Recognise faults and intervene immediately.

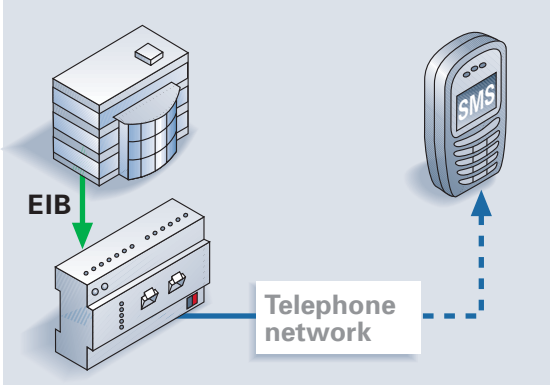
The eibPort LAN/ISDN independently passes on information on faults detected by the ABB i-bus® EIB system as an SMS. Rapid intervention can be made via mobile phone by means of the WAP function and the fault eliminated. Beforehand, the functions of the EIB system are parametered via a standard Internet browser, the PC and the eibPort.

SMS message

Set-up
After being put into service, the eibPort LAN/ISDN remains in the EIB system.

Function
The PC is required solely for parametering. For subsequent operation, the connection between eibPort LAN/ISDN and the EIB system is sufficient, no additional hardware is required.

Advantages
The usual additional functions (logic operations, clocks etc.) of the EIB can be parametered and stored easily in the eibPort LAN/ISDN. Linking between the functions is possible, e.g. control of activation of the week timer via the annual timer.



Target groups
Electrical fitters
Operators
End customers

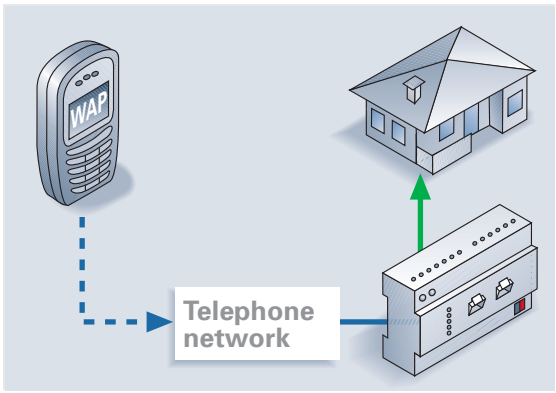
WAP function

Set-up
The LAN/ISDN Gateway is connected to the EIB system and the public telephone network (ISDN). With a WAP mobile phone, there is a direct connection to the eibPort LAN/ISDN.

Function
With the mobile phone, first a desired page is selected, then the function to be carried out. The connection is made between mobile phone and eibPort LAN/ISDN. The telephone number entered in the mobile phone corresponds to the phone number of the ISDN connection.

Advantages
The WAP functions in the LAN/ISDN Gateway are distributed clearly over various pages.
On account of the direct connection from the mobile phone to the eibPort LAN/ISDN
- **there is no dependence on a provider**
- **there are no set-up costs**
- **there are no running costs**

There are only call costs as for a normal phone call.



Target groups
End customers

It is now possible to control and regulate power consumers in a holiday home with the eibPort LAN/ISDN from any location with the WAP mobile phone.

Remote programming and remote diagnosis. Connect buildings and plant in a single system.

The ABB i-bus® EIB eibPort LAN/ISDN is suitable for altering all functions of the connected EIB systems and their remote diagnosis even from great distances. If buildings and plant which are operated via an EIB system are to be linked together in a single network, this is possible through the installation of the EIB eibPort LAN.

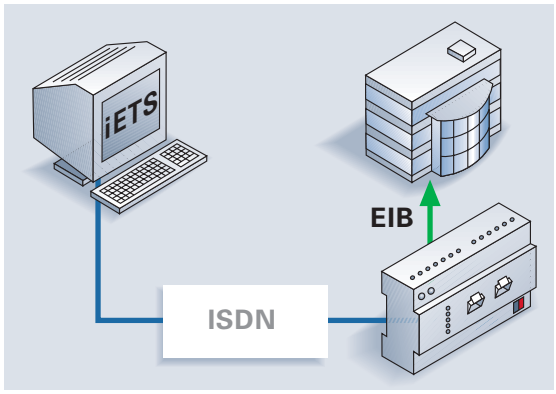
Remote programming

Set-up
The eibPort LAN/ISDN is connected to the EIB system and the public telephone network. The start-up PC has an ISDN board.

Function
An iETS Client must be installed on the start-up PC to divert the local serial interface via the remote data transmission to the eibPort LAN/ISDN and to work as an iETS server. The same function can be carried out within an intranet also via the LAN connection.

Information on the software:
The iETS must be ordered separately from the ETS (EIB Tool Software).

Advantages
Parameters and or remote diagnoses can be altered by the electrical fitter or by an operator within the Euro-ISDN network even from great distances. Long travelling times may be eliminated. Alternatively, the system can be put into operation directly on location or the program button pressed via a wireless LAN laptop.



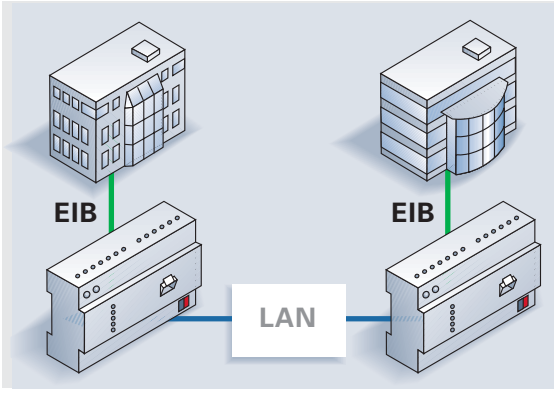
Target groups
Electrical fitters
Operators

Remote visualisation

Set-up
In each of the buildings to be networked, there is an EIB eibPort LAN connected to the LAN and the respective EIB system. The link can also be made via MAN and WAN networks.

Function
Two buildings equipped with EIB and located within a company network can be linked. For this purpose, in each building an EIB eibPort LAN is installed, the units then link the EIB systems via the company's intranet.

Advantage
EIB systems of separate properties can subsequently be linked via the existing intranet of a company. The telegrams from one EIB system are transmitted via the LAN to the other EIB system and vice versa.



Target groups
Electrical system planners
Operators

The EIB eibPort LAN offers both: using the iETS software for remote start-up or the linking of remote EIB systems to a local EIB system.

Busch-Jaeger
Elektro GmbH

A member of
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Your EIB-partner

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