

BACnet IP Router – Network Connection of BACnet MS/TP Fieldbus Components



BACnet Router

With the METZ CONNECT BACnet router BMT-RTR, BACnet MS/TP devices are connected to a BACnet/IP network. The BMT-RTR is a compact multi-network router that allows routing between BACnet/IP, BACnet Ethernet, and BACnet MS/TP networks. 32 BACnet MS/TP devices can be run on the router, thereby allowing unlimited transfer of BACnet objects between the BACnet /IP and BACnet MS /TP network.

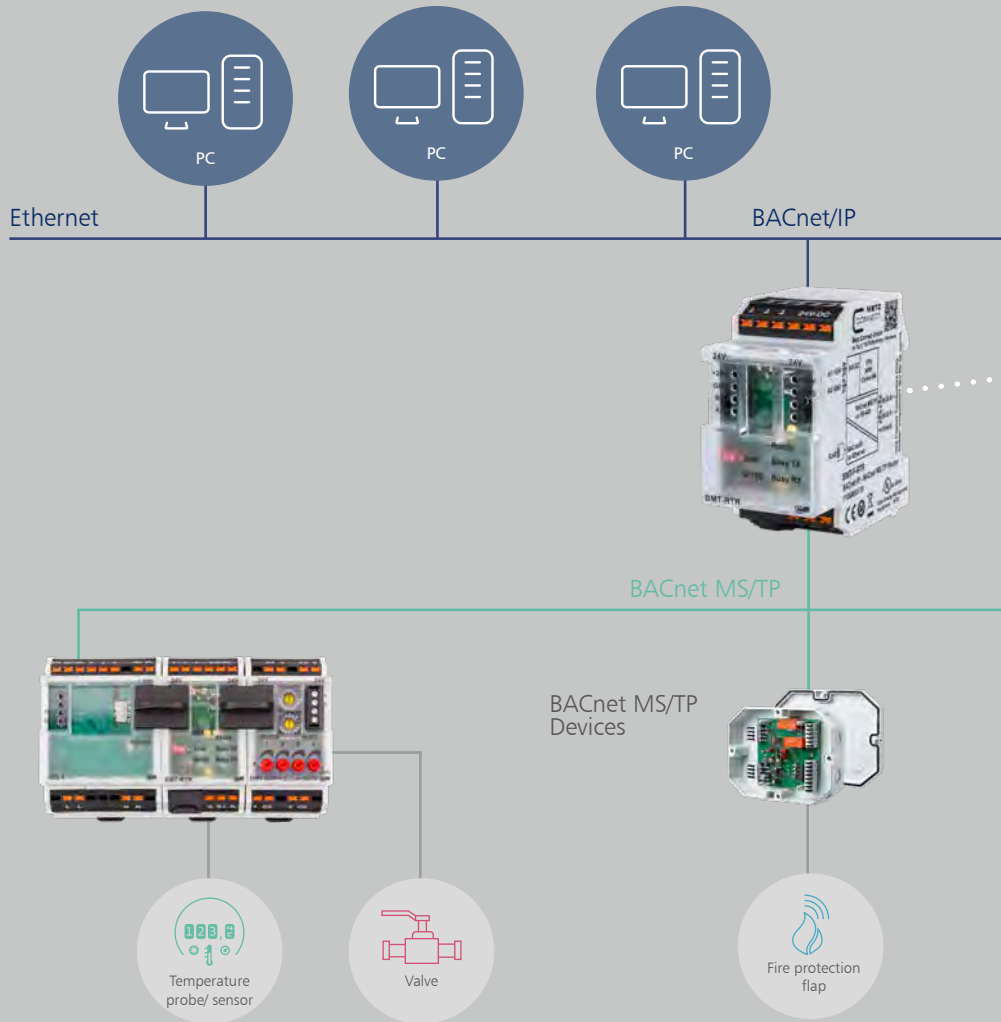
The BMT-RTR router can be run as a BACnet/IP to BACnet MS/TP or BACnet Ethernet (ISO 8802-3) to BACnet MS/TP router.

Using the integrated web server, the BACnet router can be reached on an IP network. The configuration of the device and the parameterization of the two interfaces (Ethernet /RS485) is performed with a user-friendly web interface or the software tool "MC-Search Utility" Download at:

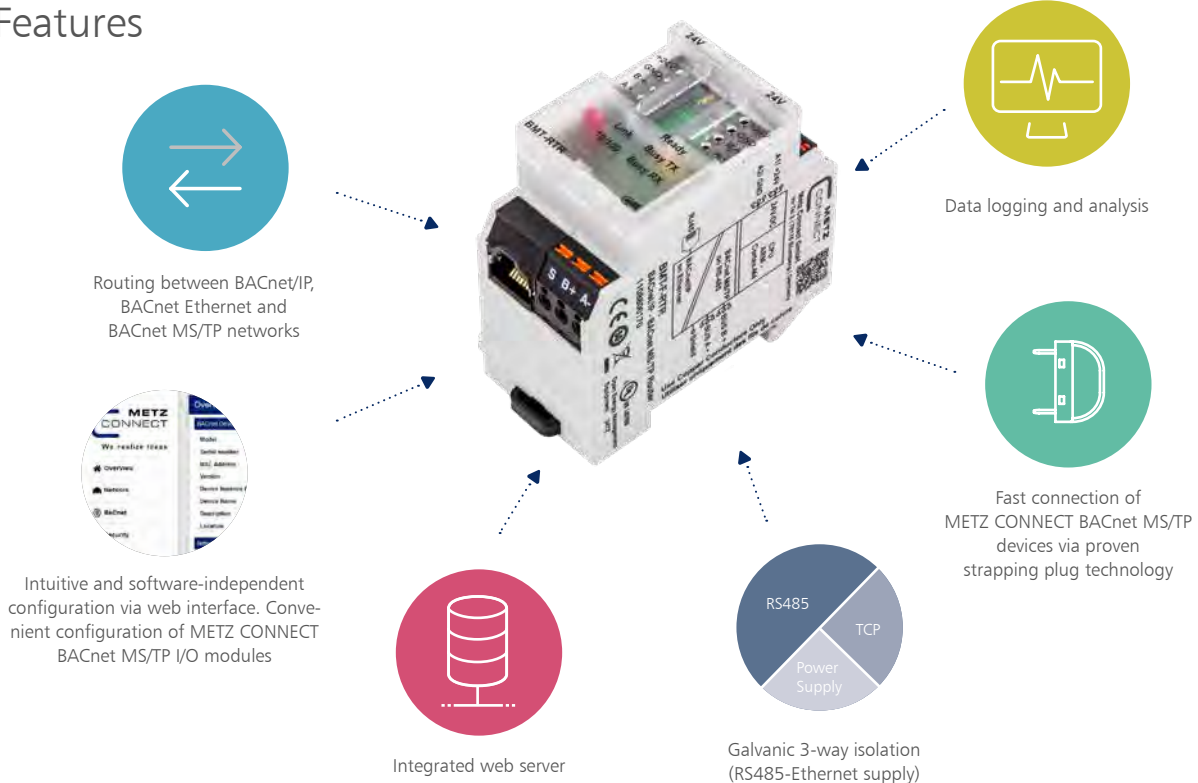
www.metz-connect.com

The router also has a logging tool for the troubleshooting and analysis of the data that is sent.

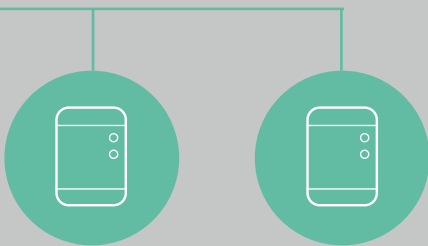
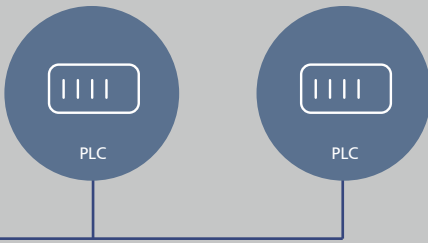
System overview




Features



BACnet IP Clients










BACnet MS/TP Devices



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CONNECT**

We realize ideas

-  Overview
-  Network
-  BACnet
-  Security
-  Monitoring
-  MS/TP Capture
-  Maintenance

English ▼

Overview

BACnet Device

Model	BMT-RTR
Serial number	00000549
MAC Address	70:B3:D5:A5:89:F8
Version	0.21
Device Instance ID	421000
Device Name	BMT-RTR_00
Description	
Location	

Network

Link	100MBit Full duplex
DHCP	On
Host Name	BMT-RTR
IP Address	10.10.6.63
Subnet Mask	255.255.255.0
Standard Gateway	10.10.6.254
DNS Server	10.10.0.2

BACnet MS/TP

Network Number	2
Baud Rate	9600
MS/TP MAC	0
Max Master	127
Max Info Frames	100
Slave Proxy	Off
Auto Slave Discover	On
Terminator	Connected

Order overview

ACCESSORIES TO NETWORK COMPONENTS



P/N	11088001	1108800170	110561	11056170	110195	1308450577-E	130B117003-E	130E405032-E
Type	BMT-RTR	BMT-F-RTR	NG4	NG4-F	EDS-205	RJ45 patch cords	REGplus IP20 C6A modul 180°M	C6A RJ45 field plug pro
Description	BACnet/IP to BACnet MS/TP Router	BACnet/IP to BACnet MS/TP Router	Power supply unit 24 V DC	Power supply unit 24 V DC	5-Port Switch with 10/100 BaseT(X) RJ45	Patch cord Cat.6A AWG 26 0.5 m yellow	RJ45 Termination unit for mounting to DIN rail	RJ45 plug for field assembly

Other network components can be found on our website www.metz-connect.com



Simple configuration through web interface



Intuitive menu navigation and operation by smartphone, tablet or notebook through responsive design



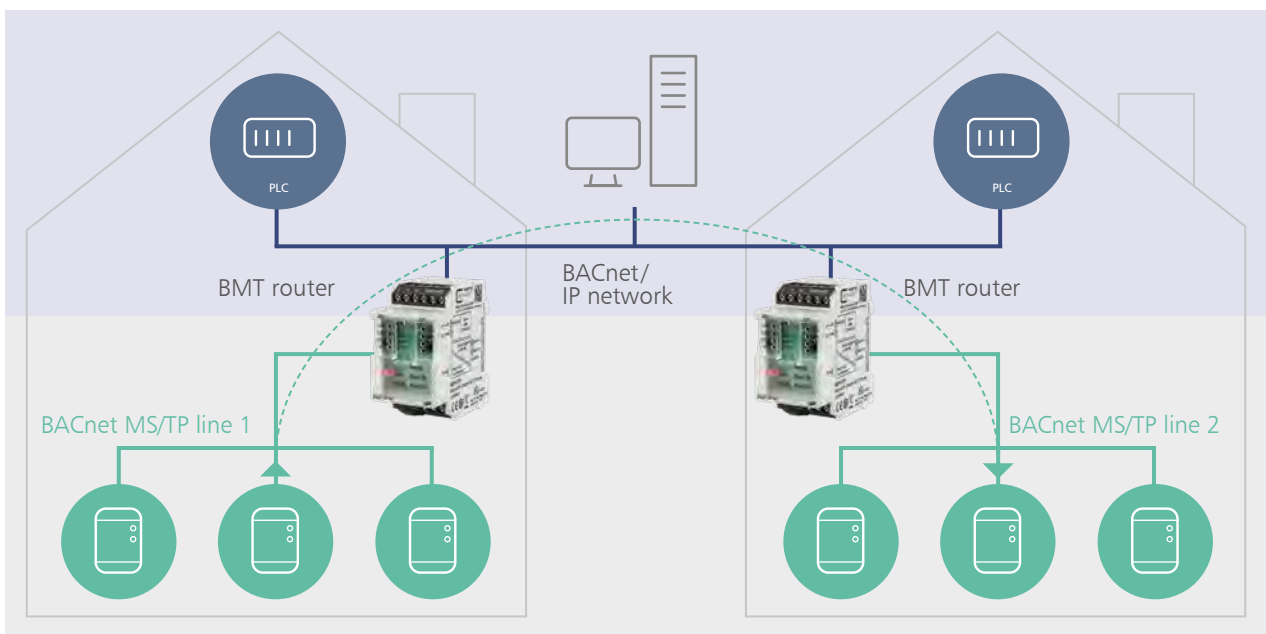
Logging and analysis of IP and RS485 communication



Simple device search of METZ CONNECT BACnet MS/TP devices on the RS-485 bus

Application example

With the BACnet IP routers, communication between two BACnet MS/TP networks (Master – Master, Master – Slave) can be established via the IP network.



Your benefits

- > Connection of 32 BACnet MS/TP devices per line
- > Simple integration of BACnet MS/TP devices in a BACnet/IP network
- > Ethernet available everywhere in the building
- > No restriction on cable lengths
- > Reliable and fast communication between automation and field equipment
- > Technology and manufacturer-independent



BACnet MS/TP I/O fieldbus modules



BMT-DI10
BMT-F-DI10

1108811319
110881131970

Digital input



BMT-DI4
BMT-F-DI4

1108841319
110884131970

Digital input



BMT-SI4
BMT-F-SI4

11088913
1108891370

Digital input



BMT-AI8
BMT-F-AI8

11088213
1108821370

Analogue input



BMT-CI4
BMT-F-CI4

1108901332
110890133270

Analogue input



BMT-TO4
BMT-F-TO4

11088013
1108801370

Digital input



BMT-DO4
BMT-F-DO4

1108861321
110886132170

Digital input



BMT-AO4
BMT-F-AO4

1108851302
110885130270

Analogue output



BMT-AOP4
BMT-F-AOP4

1108871302
110887130270

Analogue output



BMT-DIO4/2
BMT-F-DIO4/2

1108831326
110883132670

Relay output



BMT-TP
BMT-F-TP

11088813
1108881370

Relay output, two-stage



BMT-Multi I/O

P/N 11089313

Relay output

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