

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.

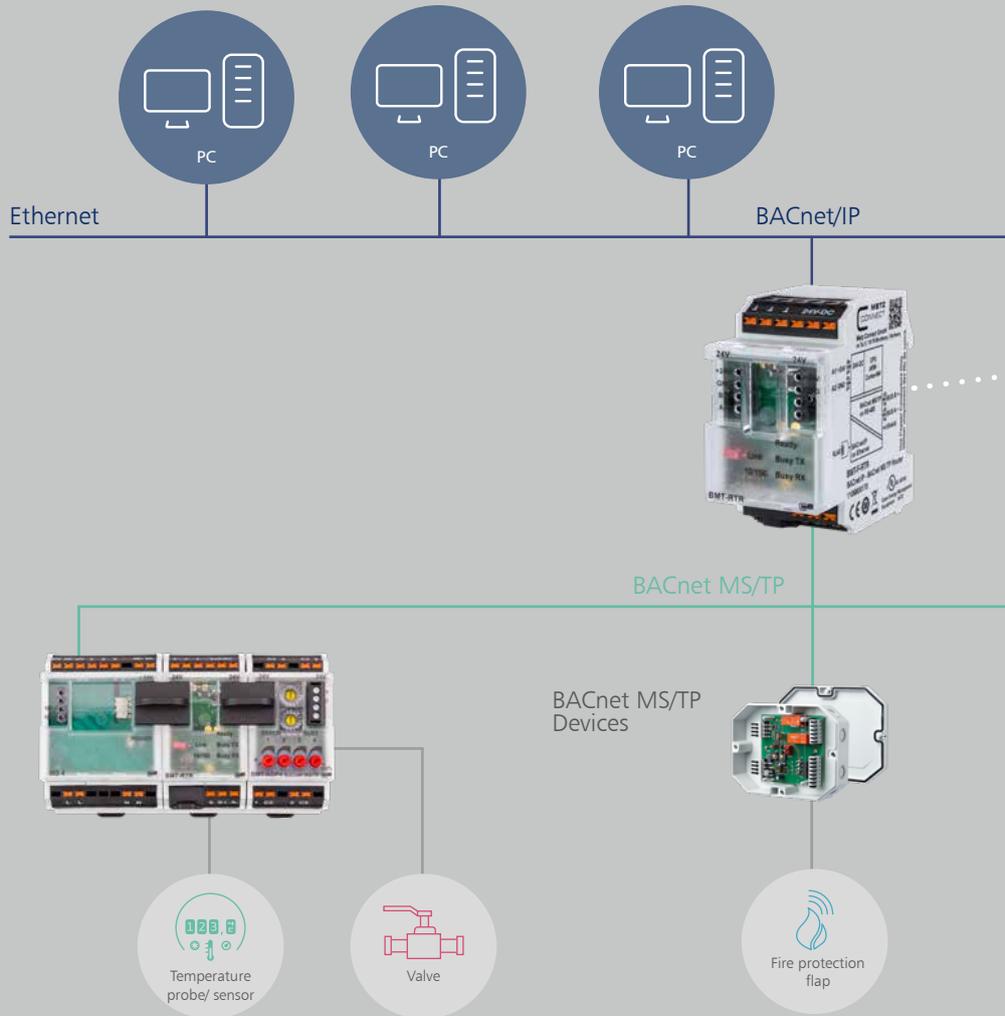
The BMT-RTR router can be run as a BACnet/IP to BACnet MS/TP or BACnet Ethernet (ISO 8802-3) to BACnet MS/TP router.

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:

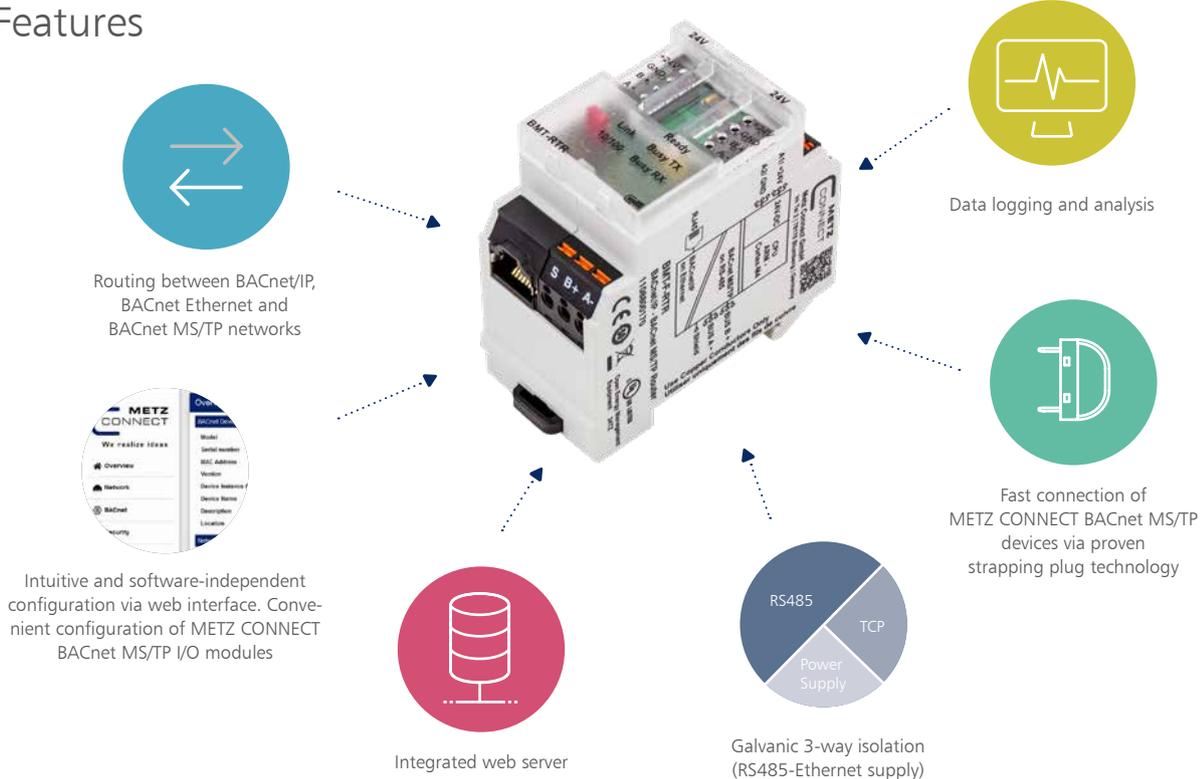
www.metz-connect.com

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

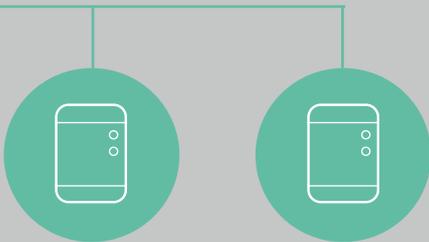
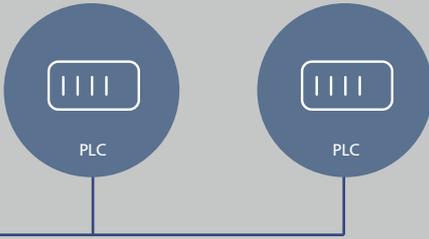
System overview



Features



BACnet IP Clients



BACnet MS/TP Devices



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



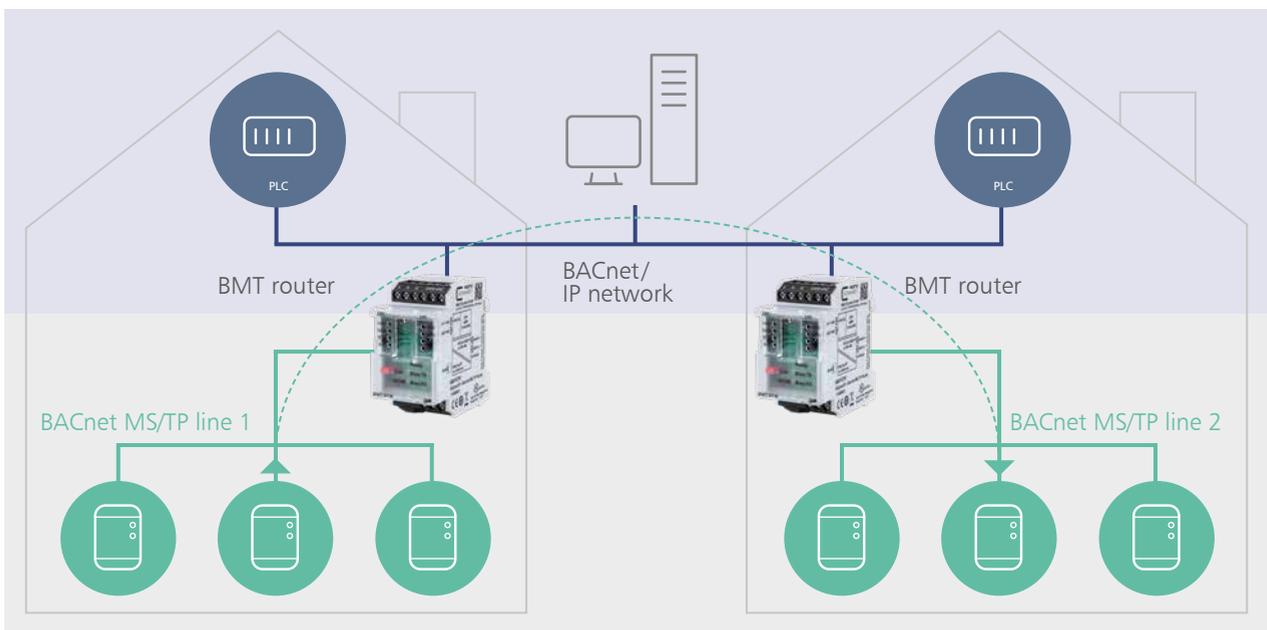
Logging and analysis of IP and RS485 communication



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

 <p>BMT-DI4 BMT-F-DI4</p> <p>  1108841319  110884131970 </p> <p>4 digital input</p>	 <p>BMT-DI10 BMT-F-DI10</p> <p>  1108811319  110881131970 </p> <p>10 digital input</p>	 <p>BMT-SI4 BMT-F-SI4</p> <p>  11088913  1108891370 </p> <p>4 S0-input</p>	 <p>BMT-AI8 BMT-F-AI8</p> <p>  11088213  1108821370 </p> <p>8 configurable temperature or voltage inputs</p>	 <p>BMT-CI4 BMT-F-CI4</p> <p>  1108901332  110890133270 </p> <p>4 current inputs 0-20 mA, 4 voltage inputs 0-10 V</p>
 <p>BMT-DO4 BMT-F-DO4</p> <p>  1108861321  110886132170 </p> <p>4 relay outputs, manual control level</p>	 <p>BMT-TO4 BMT-F-TO4</p> <p>  11088013  1108801370 </p> <p>4 triac outputs, manual control level</p>	 <p>BMT-AOP4 BMT-F-AOP4</p> <p>  1108871302  110887130270 </p> <p>4 voltage outputs 0-10 V, manual control level</p>	 <p>BMT-AO4 BMT-F-AO4</p> <p>  1108851302  110885130270 </p> <p>4 voltage outputs 0-10 V</p>	 <p>BMT-DIO4/2 BMT-F-DIO4/2</p> <p>  1108831326  110883132670 </p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>
 <p>BMT-TP BMT-F-TP</p> <p>  11088813  1108881370 </p> <p>6 digital input, 2 two-stage relay outputs, manual control level</p>	 <p>BMT-Multi I/O</p> <p>P/N 11089313</p> <ul style="list-style-type: none"> > 4 digital outputs (Photo MOS) > 4 digital outputs (Relais) > 11 Digital inputs > 6 universal inputs (temperature/voltage) > 1 analog input (current) > 2 analog outputs (voltage) > 1 S0 input 	 <p>BMT-DIO4/2-IP65 BACnet MS/TP</p> <p>P/N 108831326IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	 <p>BMT-DIO4/2-IP65 BACnet MS/TP 230 V</p> <p>P/N 1108830526IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	 <p>BMT-DI4-IP65 BACnet MS/TP</p> <p>P/N 1108841319IP</p> <p>4 digital inputs</p>
 <p>MB-DIO 2/1-IP65 24 V</p> <p>P/N 1108111326IP</p> <p>2 digital inputs, 1 relay outputs, changeover contact, manual operation level</p>	 <p>MB-DIO 4/2-IP65 24 V</p> <p>P/N 1108121326IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	 <p>MB-DIO 2/1-IP65 230 V</p> <p>P/N 1108110526IP</p> <p>2 digital inputs, 1 relay outputs, changeover contact, manual operation level</p>	 <p>MB-DIO 4/2-IP65 230 V</p> <p>P/N 1108120526IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	

METZ CONNECT GmbH

Im Tal 2
78176 Blumberg
Germany

Phone +49 7702 533-0
Fax +49 7702 533-189

info@metz-connect.com
www.metz-connect.com

METZ CONNECT USA Inc.

200 Tornillo Way
Tinton Falls, NJ 07712
USA

Phone +1-732-389-1300
Fax +1-732-389-9066

METZ CONNECT France SAS

28, Rue Schweighaeuser
67000 Strasbourg
France

Phone +33 38 86 17073
Fax +33 38 86 19473

METZ CONNECT AUSTRIA GmbH

c/o German chamber of commerce
in Austria

Schwarzenbergplatz 5, Top 3/1
1030 Vienna
Austria

Phone +43 1 227 12 64
Fax +43 1 227 12 66

METZ CONNECT Zhongshan Ltd.

Ping Chang Road
Ping Pu Industrial Park
Sanxiang Town
Zhongshan City, 528463
Guangdong Province
China

Phone +86 760 86365 055
Fax +86 760 86365 050

METZ CONNECT Asia Pacific Ltd.

Suite 1803, 18/F
Chinachem Hollywood Centre,
1 Hollywood Road, Central
Hong Kong

Phone +852 26 027 300
Fax +852 27 257 522

