

### 460BMSC-NNA1

### Connect BACnet MS/TP Subordinates to Siemens S7 PLCs

## **FEATURES**

- Fully configurable BACnet MS/TP Manager
- BACnet MS/TP supports device, binary I/O/V, analog I/O/V, multi-state I/O/V, and character string value object types
- Supports connections to five Siemens S7 PLCs
- Up to 150 read and 150 write requests per connection
- Effortless Browser
   Based Configuration,
   no programming
   software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- 5-Year Hardware Warranty

# Get BACnet MS/TP subordinate Data into your Siemens S7 PLC

The 460BMSC moves data between your BACnet MS/TP Subordinates to your Siemens S7 PLC.

Best of all, the product comes with 5-year warranty.

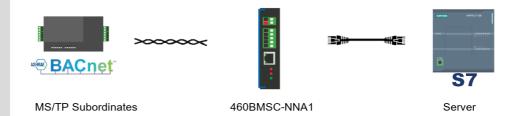
### How Do I Use the 460BMSC-NNA1 in My Application?

BACnet analog, binary and CSV data segments can be converted to corresponding data types as your Siemens PLCs and transferred over to them and vice versa. It's really that simple. Need to modify your data as it passes from one protocol to the other? No problem. Each data mapping you apply can be modified with up to three mathematic functions.

### Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience all the better. Thirty years later, our mission remains the same: To move your data where you need it, when you need it, and how you need it.

## **Specification**

BACNET MS/TP MANAGER FEATURES		
Operation Mode	BACnet MS/TP Manager Initiator	
Supported Object Types	Device, BI/BO/BV, AI/AO/AV, MI/MO/MV, Character String Value	
Supported Service Codes	Read Property-A, Read Property Multiple-A, Write Property-A, Write Property Multiple-A, Device Dynamic Binding-A	
Maximum Connections	32	
Number Read/Write Scan Lines per Device	200 Total - 100 reads & 100 writes	
Scan Line Support	Up to 128 Objects	
Siemens S7 CLIENT FEATURES		
PLC Support	S7 300/400/1200/1500	
Maximum Number of PLCs Supported	5	
Maximum Number of Inputs/Outputs per PLC	150	
Maximum Number of Bytes per Scan Line	400	
Memory Area Access	Input (I), Output (Q), and Data Block( DB)	
Supported Data Types	8 Bit Int, 16 Bit Int, 32 Bit Int, 32 Bit Float, Bool and Char Array	
INCLUDED WITH GATEWAY		
3' power cable with flying leads	5-year hardware warranty	
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life	
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff	
Manual		

ELECTRICAL / ENVIRONMENTAL			
DC Input Voltage	12-24 VDC		
Maximum Baud Rate	115K baud	DIN Rail Mount	
Operating Temperature	-40 C to 85 C	3.88	
Certification	RoHS-Compliant, UL, CUL, CE Approvals	,	
ENCLOSURE / HARDWARE			
Size	3.88" x 2.57" x 1.06"		
Weight	5.5 oz		
Enclosure Type	Anodized Aluminum	2.57	
Mounting	Din rail or panel mount		
LEDs	Power LED & 2 general purpose LEDs on side	Note: All dimensions	
GATEWAY FEATURES & FUNCTIONS		are in Inches	
Alarming	Set <, <=, >, >=, ==, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent.	99999 99	
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.	1.06	
Translation Table	Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway.		
Status and Counters	Protocol specific status, counters, and error messages are accessible within the gateway's diagnostics page. They can also be delivered to a connected device.	NOT EXACTLY WHAT YOU WERE LOOKING FOR? Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at <a href="https://www.rtautomation.com/products">www.rtautomation.com/products</a> . We also offer customizations for unique applications.	
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages & error messages.		

CATALOG #	DESCRIPTION
460BMSC-NNA1	Connects up to 32 BACnet MS/TP Subordinates with up to five Siemens S7 PLCs









