

Micro830/850/870™ 2080sc-BAC BACnet Communications Plug-In Module



The 2080sc-BAC Communications Module is a two-channel communications plug-in module for use with Rockwell Automation Micro800™ systems as a slave node on a BACnet Network. You may use the module in a wide range of applications such as heating, ventilation, lighting control, access control, and fire detection systems. The module is able to communicate over BACnet serial and Ethernet building automation networks:

- Five standard BACnet objects supported.
- Compatible with Allen-Bradley Micro800 controllers.
- Reduce system cost.
- Improve energy efficiency.
- Automate lighting control.
- Control your HVAC system.

2080sc-BAC Specifications



Channels Per Module	1 Serial Channel, 1 Ethernet
	Analog Input/Analog Output/Binary Input/Binary Output/Identity Object
Resolution	16 bits
	MS/TP and BACnet/IP
Serial Interface	RS-485 by default (or RS-232) configurable during setup
Communication Formats	Conforms to ASHRAE and ISO 16484-1 defined BACnet AAC standard communication protocol, compatible with BACnet system
Hardware Flow Control	None
Baud Rates	1200, 2400, 4800, 9600, 19.2K, 38.4K, 76.8K
Interface, Channel 2	10/100 M Ethernet, auto sensing
Crosstalk	-40 dB, minimum
Input Protection	24 VDC, continuous
Power, RTC Backup	72 hours, minimum
Accuracy, RTC Backup	+1.0, -3.0 minutes/month
Power Consumption	40 mA at 3.3 V; Less than 50 mA at 24 V; Less than 0.85 Watts total
Inrush Current	Less than 500 mA at 3.3 V; Less than 500 mA at 24 V
Fusing	2.7 ohms 1/10 W resistor, 24 VDC input 0.470 ohm 1/10 W resistor, 3.3 VDC input
Input to Backplane Isolation	500 VAC (707 VDC) for 1 minute
Channel-to-Channel Isolation	None
Fault Detection	None
Wire Size	#22 to #30 AWG (for the terminal block connector)
Environmental Conditions:	
Operational Temperature:	-20 °C -+65 °C (-4 °F - +149 °F)
Storage Temperature:	-40 °C - +85 °C (-40 °F - +185 °F)
Relative Humidity:	5% - 95% (non-condensing)
Certifications	Safety: cULus Listed: UL508 and CSA C22.2 No. 142-M1987, E140954 Hazardous Locations: cULus Listed: Industrial Control Equipment for Use in Class I, Division 2 ANSI/ISA 12.12.01-2015 and CSA C22.2 No. 213-17, E180101, CE, UKCA, CMIM
Manufacturing	RoHS and REACH compliant